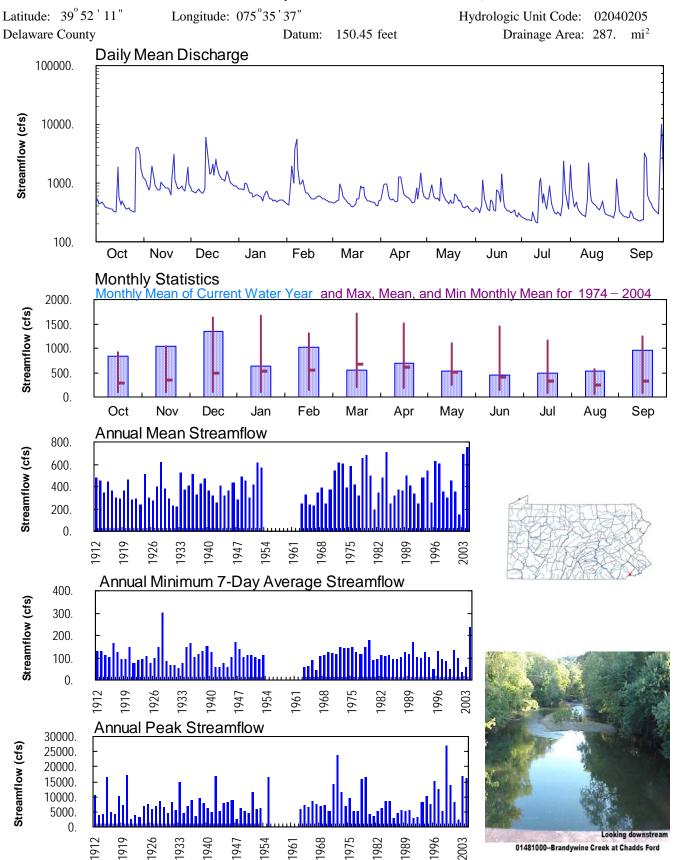


2004 Water Year CHRISTINA RIVER BASIN

01481000 Brandywine Creek at Chadds Ford, PA



01481000 BRANDYWINE CREEK AT CHADDS FORD, PA (Pennsylvania Water-Quality Network Station)

LOCATION.--Lat 39°52'11", long 75°35'37", Delaware County, Hydrologic Unit 02040205, on left bank 27 ft upstream from Penn Central Railroad bridge at Chadds Ford, 150 ft upstream from Harvey Run, and 1,200 ft downstream from highway bridge on U.S. Highway 1.

DRAINAGE AREA.--287 mi².

MIN

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1911 to September 1953, October 1962 to current year. Prior to October 1911, monthly discharge only, published in WSP 1302

REVISED RECORDS.--WSP 756: Drainage area. WSP 1202: 1917-18(M), 1919-20, 1922-31(M), 1932-33, 1934(M), 1936, 1938(P), 1939(M), 1942, 1944-46(M), WDR PA-98-1: 1996-97 (M).

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 150.45 ft above National Geodetic Vertical Datum of 1929. Prior to May 21, 1927, nonrecording gage at same site and datum.

REMARKS.--No estimated daily discharges. Records good. Flow regulated since November 1973 by Marsh Creek Reservoir (station 01480684) about 17 mi upstream. Satellite and landline telemetry at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Aug. 19, 1955, reached a stage of 14.64 ft, gage datum, discharge, about 16,400 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004 DAILY MEAN VALUES DAY OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP 23 28 TOTAL MEAN

01481000 BRANDYWINE CREEK AT CHADDS FORD, PA--Continued

STATISTICS OF MONTHLY ME	EAN DATA FOR WATER	YEARS 1974	- 2004, BY WA	TER YEAR (WY)	(SINCE	REGULATION)	
OCT NOV	DEC JAN	FEB	MAR API	YAM S	JUN	JUL	AUG	SEP
MEAN 284 341	489 533	555	669 61		413	331	248	323
MAX 924 1044 (WY) 1997 2004	1634 1664 1997 1979	1308 1979	1713 150: 1994 1983		1459 2003	1153 1975	562 1996	1237 2003
MIN 99.5 105	112 106	144	195 183		153	88.8	64.0	80.2
(WY) 2002 2002	1999 1981	2002	1981 200	1999	1999	2002	2002	2002
SUMMARY STATISTICS	בטם 2003 מעז	PMDAD VEAD	FOR 200	1 WATED VEAD		WATER YEARS	1074 -	2004
SUMMARI STATISTICS	FOR 2003 CAL	ENDAR IEAR	FOR 200	MAIER IEAR		WAIEK IEAKS	19/4 -	2004
ANNUAL TOTAL	314769		27594:	2				
ANNUAL MEAN	862		75	1		442		
HIGHEST ANNUAL MEAN						754		2004
LOWEST ANNUAL MEAN HIGHEST DAILY MEAN	10300	Jun 21	1010	Sep 29		152 10600	Jan 26	2002
LOWEST DAILY MEAN	202	Sep 12	21:	<u>.</u>		33	Aug 22	
ANNUAL SEVEN-DAY MINIMUM		Feb 13	23'			36	Aug 17	
MAXIMUM PEAK FLOW			b 1630			b 26900	Sep 17	
MAXIMUM PEAK STAGE			1:	3.62 Sep 29		17.15	Sep 17	1999
INSTANTANEOUS LOW FLOW			20			8.4	Sep 13	1980
10 PERCENT EXCEEDS	1630		125			827		
50 PERCENT EXCEEDS	572		52			300		
90 PERCENT EXCEEDS	289		29'	7		124		

STATI	STICS OF	MONTHLY	MEAN DATA	FOR WATER	YEARS	1911-1953,	1963-1973	, BY WATE	R YEAR (V	VY) (PRIO	R TO REGU	JLATION)
	OCT	NOV	DEC	JAN	FEB	MAR MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	219	301	348	444	570	605	530	435	364	309	278	230
MAX	666	625	827	1020	1130	1366	1043	946	1144	802	1089	1050
(WY)	1972	1972	1973	1936	1971	1920	1973	1952	1972	1919	1933	1971
MIN	67.7	98.3	114	145	214	247	226	175	149	91.1	82.1	59.4
(WY)	1964	1942	1966	1966	1934	1931	1963	1926	1963	1963	1930	1932

SUMMARY STATISTICS	WATER YEARS	1911-1953 1963-1973
LOWEST ANNUAL MEAN HIGHEST DAILY MEAN LOWEST DAILY MEAN LOWEST DAILY MEAN ANNUAL SEVEN-DAY MINIMUM MAXIMUM PEAK FLOW MAXIMUM PEAK STAGE INSTANTANEOUS LOW FLOW ANNUAL RUNOFF (CFSM) ANNUAL RUNOFF (INCHES) 10 PERCENT EXCEEDS	45 c23800 16.56 4.9 1.34 18.23	1928 1932 Aug 24 1933 Sep 12 1966 Sep 7 1966 Jun 22 1972 Jun 22 1972 Oct 2 1942
50 PERCENT EXCEEDS 90 PERCENT EXCEEDS	274 118	

 $[\]begin{array}{l} \textbf{a} \ \ Computed \ using \ estimated \ daily \ discharges. \\ \textbf{b} \ \ From \ rating \ curve \ extended \ above \ 13,200 \ ft^3/s \ on \ basis \ of \ area-velocity \ study \ at \ gage \ height \ 16.56 \ ft. \\ \textbf{c} \ \ From \ rating \ curve \ extended \ above \ 9,000 \ ft^3/s \ on \ basis \ of \ area-velocity \ study. \end{array}$

01481000 BRANDYWINE CREEK AT CHADDS FORD, PA--Continued (Pennsylvania Water-Quality Network Station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1963 to current year.

PERIOD OF DAILY RECORD .--

SPECIFIC CONDUCTANCE: October 1965 to current year.

pH: October 1965 to September 1966, December 1971 to current year.

WATER TEMPERATURES: October 1964 to current year.

DISSOLVED OXYGEN: October 1971 to current year.
SUSPENDED-SEDIMENT DISCHARGE: October 1963 to September 1978.

INSTRUMENTATION.--Water-quality monitor since August 1971.

REMARKS.--Specific conductance record rated good except for period Oct. 28 to Nov. 18, which is fair. pH record rated good except for period Nov. 5 to Dec. 1, which is poor. Water temperature record rated fair. Dissolved oxygen record rated fair except for period Oct. 28 to Nov. 5, which is poor. Data collection discontinued during winter months since 1981 water year. Other interruptions in the record were due to malfunctions of the equipment.

EXTREMES FOR PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: Maximum, 689 microsiemens, Mar. 6, 2001; minimum, 42 microsiemens, Nov. 26, 1979.
pH: Maximum, 9.8, Apr. 9, 1975; minimum, 6.1, Feb. 22, 1976.
WATER TEMPERATURE: Maximum, 31.0°C, July 4, 2002; minimum, 0.0°C, many days during winters.
DISSOLVED OXYGEN: Maximum, 17.1 mg/L, Dec. 5, 1976; minimum, 3.0 mg/L, June 21, 1984.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Agency col- lecting sample, code (00027)	Agency ana- lyzing sample, code (00028)	taneous dis-	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf µS/cm 25 degC (00095)		0.7 μ MF col/ 100 mL
MAR									
09	1500	1028	1028	472	14.1	7.8	292	8.4	34
11	1145	1028	1028	415	14.7	7.7	283	7.1	13
23	1445	1028	1028	462	13.2	7.7	291	7.1	. 0
APR									
07	1200	1028	1028	507	11.3	7.6	273	9.9	40
20	1150	1028	1028	492	9.5	7.6	271	17.7	37
MAY									
04	1400	1028	1028	743	10.2	7.5	238	13.9	1400
11	1620	1028	1028	605	8.8	7.3	247	20.5	1600
25	1430	1028	1028	330	8.6	7.5	283	23.4	140
JUN									
01	1450	1028	1028	338	10.2	7.7	288	19.4	240
16	1215	1028	1028	578	6.1	7.2	218	22.2	E15000
23	1315	1028	1028	338	8.4	7.6	287	20.8	250
JUL									
01	1415	1028	1028	261	10.7	8.2	281	21.7	110
13	1100	1028	1028	994	7.7	7.3	197	20.7	V12000
22	1510	1028	1028	300	8.4	7.6	286	23.7	220
AUG									
04	1530	1028	1028	389	8.4	7.6	286	25.1	260
18	1435	1028	1028	393	8.4	7.6	281	21.7	120
26	1400	1028	1028	278	9.1	7.8	313	21.7	130
SEP									
07	1100	1028	1028	258	8.5	7.6	305	20.0	140
22	1245	1028	1028	434	8.8	7.6	278	17.4	320

01481000 BRANDYWINE CREEK AT CHADDS FORD, PA--Continued (Pennsylvania Water-Quality Network Station)

PERIOD OF RECORD.--April 2002 to current year.

COOPERATION.—Samples were collected as part of the Pennsylvania Department of Environmental Protection Water-Quality Network (WQN) with cooperation from the Pennsylvania Department of Environmental Protection.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Agency col- lecting sample, code (00027)	Agency ana- lyzing sample, code (00028)	Instan- taneous dis- charge, cfs (00061)	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduc- tance, wat unf lab, µS/cm 25 degC (90095)	Specif. conduc- tance, wat unf µS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Hard- ness, water, mg/L as CaCO3 (00900)	Calcium water unfltrd recover -able, mg/L (00916)	Magnes- ium, water, unfltrd recover -able, mg/L (00927)
OCT 2003 01	1400	1028	9813	567	11.0	7.7	7.4	253	239	14.2	93	21.8	9.3
DEC													
22 FEB 2004	1730	1028	9813	1100	15.0	7.2	7.6	240	248	4.7	84	20.9	7.8
24 APR	1540	1028	9813	529	15.3	7.2	7.8	264	238	5.1	85	21.5	7.7
27 JUN	1330	1028	9813	1260	10.8	7.5	7.7	213	179	14.0	73	17.7	6.9
29	1500	1028	9813	330	11.2	8.2	7.8	291	289	21.4	100	24.5	9.8
AUG 19	1400	1028	9813	367	9.6	7.4	7.5	289	283	21.6	100	23.8	10.0
Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (00417)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 105degC wat flt mg/L (00515)	Residue total at 105 deg. C, sus- pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrate water unfltrd mg/L as N (00620)	Nitrite water, unfltrd mg/L as N (00615)	Ortho- phos- phate, water, unfltrd mg/L as P (70507)	Phos- phorus, water, unfltrd mg/L (00665)	Total nitro- gen, water, unfltrd mg/L (00600)	Organic carbon, water, unfltrd mg/L (00680)	Alum- inum, water, unfltrd recover -able, µg/L (01105)	Copper, water, unfltrd recover -able, µg/L (01042)
OCT 2003 01	wat unf fixed end pt, lab, mg/L as CaCO3	water, fltrd, mg/L	on evap. at 105degC wat flt mg/L	total at 105 deg. C, sus- pended, mg/L	water, unfltrd mg/L as N	water unfltrd mg/L as N	water, unfltrd mg/L as N	phos- phate, water, unfltrd mg/L as P	phorus, water, unfltrd mg/L	nitro- gen, water, unfltrd mg/L	carbon, water, unfltrd mg/L	inum, water, unfltrd recover -able, µg/L	water, unfltrd recover -able, µg/L
OCT 2003 01 DEC 22	wat unf fixed end pt, lab, mg/L as CaCO3 (00417)	water, fltrd, mg/L (00945)	on evap. at 105degC wat flt mg/L (00515)	total at 105 deg. C, sus- pended, mg/L (00530)	water, unfltrd mg/L as N (00610)	water unfltrd mg/L as N (00620)	water, unfltrd mg/L as N (00615)	phos- phate, water, unfltrd mg/L as P (70507)	phorus, water, unfltrd mg/L (00665)	nitro- gen, water, unfltrd mg/L (00600)	carbon, water, unfltrd mg/L (00680)	inum, water, unfltrd recover -able, µg/L (01105)	water, unfltrd recover -able, µg/L (01042)
OCT 2003 01 DEC 22 FEB 2004 24	wat unf fixed end pt, lab, mg/L as CaCO3 (00417)	water, fltrd, mg/L (00945)	on evap. at 105degC wat flt mg/L (00515)	total at 105 deg. C, sus- pended, mg/L (00530)	water, unfltrd mg/L as N (00610)	water unfltrd mg/L as N (00620)	water, unfltrd mg/L as N (00615)	phos- phate, water, unfltrd mg/L as P (70507)	phorus, water, unfltrd mg/L (00665)	nitro- gen, water, unfltrd mg/L (00600)	carbon, water, unfltrd mg/L (00680)	inum, water, unfltrd recover -able, µg/L (01105) <200	water, unfltrd recover -able, µg/L (01042) <10
OCT 2003 01 DEC 22 FEB 2004 24 APR 27	wat unf fixed end pt, lab, mg/L as CaCO3 (00417) 59	water, fltrd, mg/L (00945) 18.3	on evap. at 105degC wat flt mg/L (00515) 260	total at 105 deg. C, sus- pended, mg/L (00530)	water, unfltrd mg/L as N (00610) <.020	water unfltrd mg/L as N (00620) 2.84 3.31	water, unfltrd mg/L as N (00615) <.040	phos- phate, water, unfltrd mg/L as P (70507) .04	phorus, water, unfltrd mg/L (00665) .059	nitro- gen, water, unfltrd mg/L (00600) 3.1 3.4	carbon, water, unfltrd mg/L (00680) 2.8 1.7	inum, water, unfltrd recover -able, µg/L (01105) <200	water, unfltrd recover -able, µg/L (01042) <10
OCT 2003 01 DEC 22 FEB 2004 24 APR	wat unf fixed end pt, lab, mg/L as CaCO3 (00417) 59 47	water, fltrd, mg/L (00945) 18.3 19.4 18.0	on evap. at 105degC wat flt mg/L (00515) 260 574	total at 105 deg. C, sus- pended, mg/L (00530) <2 <2 <2	water, unfltrd mg/L as N (00610) <.020 .020	water unfltrd mg/L as N (00620) 2.84 3.31 3.47	water, unfltrd mg/L as N (00615) <.040 <.040	phos- phate, water, unfltrd mg/L as P (70507) .04 .04	phorus, water, unfltrd mg/L (00665) .059 .044	nitro- gen, water, unfltrd mg/L (00600) 3.1 3.4 4.0	carbon, water, unfltrd mg/L (00680) 2.8 1.7	inum, water, unfltrd recover -able, µg/L (01105) <200 <200	water, unfiltrd recover -able, µg/L (01042) <10 <10

Date	unfltrd recover -able, µg/L	unfltrd recover -able, µg/L	Mangan- ese, water, unfltrd recover -able, µg/L (01055)	unfltrd recover -able, µg/L	water, unfltrd recover -able, µg/L
OCT 2003	, ,	,	, ,	,	,
01 DEC	260	<1.0	30	<50	<10
22 FEB 2004	200	<1.0	30	<50	<10
24	150	<1.0	30	<50	<10
APR 27	1590	4.1	100	< 50	70
JUN 29	410	<1.0	60	<50	10
AUG 19	360	<1.0	40	<50	<10

01481000 BRANDYWINE CREEK AT CHADDS FORD, PA--Continued

BIOLOGICAL DATA BENTHIC MACROINVERTEBRATES

 $\label{eq:REMARKS.--Samples} \textbf{REMARKS}.\text{--Samples were collected using a D-Frame net with a mesh size of 500 μm. Samples represent counts per 100 animal (approximate) subsamples.}$

Date	09/08/03
Benthic macroinvertebrate	Count
Arthropoda	
Crustacea	
Amphipoda (SCUDS)	
Gammaridae	
Gammarus	5
Insecta	
Ephemeroptera (MAYFLIES)	
Baetidae	
Acentrella	10
Baetis	7
Caenidae	
Caenis	1
Ephemerellidae	
Serratella	2
Heptageniidae	
Stenonema	1
Tricorythidae	
Tricorythodes	2
Trichoptera (CADDISFLIES)	
Hydropsychidae	
Cheumatopsyche	11
Hydropsyche	11
Philopotamidae	
Chimarra	10
Coleoptera (BEETLES)	
Elmidae (RIFFLE BEETLES)	
Optioservus	20
Oulimnius	1
Stenelmis	23
Psephenidae (WATER PENNIES)	
Psephenus	1
Diptera (TRUE FLIES)	
Chironomidae (MIDGES)	11
Simuliidae (BLACK FLIES)	
Simulium	6
Total Organisms	122
Total Taxa	16

01481000 BRANDYWINE CREEK AT CHADDS FORD, PA--Continued

SPECIFIC CONDUCTANCE, MICROSIEMENS PER CENTIMETER AT 25° CELSIUS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER		1	NOVEMBER		I	DECEMBER			JANUARY	
1 2	261 271	256 260	258 265	245 242	233 239	238 241						
3	273	269	271	270	241	248						
4	274	269	272	259	245	255						
5	272	266	269	266	252	259						
6	270	267	269	256	185	228						
7 8	271 273	267 268	270 271	260 288	243 260	249 274						
9	273	262	270	277	269	275						
10	278	269	274	272	268	270						
11	279	274	277	269	267	268						
12	278	272	275	267	241	258						
13 14	277 279	272 252	275 275	246 246	233 235	239 238						
15	252	185	208	236	231	234						
16	254	211	236	244	231	236						
17	267	254	262	248	236	243						
18 19	274 273	264 263	269 267	265 262	241 185	254 248						
20	278	273	276	204	157	175						
21	277	272	275	245	204	229						
22	278	272	275	258	245	253						
23	280	275	278	264	258	261						
24 25	276 279	274 274	275 277	265 264	260 257	263 261						
26 27	276 269	269 138	274 199	264 268	257 263	262 266						
28	200	144	169	269	251	266						
29	205	164	184	251	213	222						
30 31	222 239	179 222	205 232	257	228	245						
MONTH	280	138	257	288	157	249						
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
DAY				MAX		MEAN	MAX		MEAN	MAX		MEAN
	:	FEBRUARY			MARCH			APRIL			MAY	
DAY 1 2				MAX 274 277		MEAN 272 274	MAX 284 278		MEAN 280 273	MAX 275 276		MEAN 273 275
1 2 3		FEBRUARY 	 	274 277 279	MARCH 270 273 274	272 274 276	284 278 280	278 270 265	280 273 270	275 276 274	MAY 271 273 254	273 275 268
1 2	: 	FEBRUARY 		274 277	MARCH 270 273	272 274	284 278	APRIL 278 270	280 273	275 276	MAY 271 273	273 275
1 2 3 4 5		FEBRUARY 		274 277 279 288 289	MARCH 270 273 274 275 283	272 274 276 278 286	284 278 280 275 261	278 270 265 249 237	280 273 270 267 248	275 276 274 254 265	MAY 271 273 254 238 246	273 275 268 245 258
1 2 3 4 5	: 	FEBRUARY 		274 277 279 288 289	MARCH 270 273 274 275 283	272 274 276 278 286	284 278 280 275 261	278 270 265 249 237 261	280 273 270 267 248	275 276 274 254 265	MAY 271 273 254 238 246	273 275 268 245 258
1 2 3 4 5		FEBRUARY		274 277 279 288 289	MARCH 270 273 274 275 283	272 274 276 278 286	284 278 280 275 261	278 270 265 249 237	280 273 270 267 248	275 276 274 254 265	MAY 271 273 254 238 246	273 275 268 245 258
1 2 3 4 5 6 7 8 9		FEBRUARY		274 277 279 288 289 294 283 285 291	270 273 274 275 283 272 267 282 281	272 274 276 278 286 280 274 284 284	284 278 280 275 261 271 286 286 286 285	278 270 265 249 237 261 269 281 280	280 273 270 267 248 267 277 284 282	275 276 274 254 265 272 274 277 274	271 273 254 238 246 265 270 263 265	273 275 268 245 258 269 272 271 270
1 2 3 4 5	: ::::::::::::::::::::::::::::::::::::	FEBRUARY		274 277 279 288 289 294 283 285	270 273 274 275 283 272 267 282	272 274 276 278 286 280 274 284	284 278 280 275 261 271 286 286	278 270 265 249 237 261 269 281	280 273 270 267 248 267 277 284	275 276 274 254 265 272 274 277	271 273 254 238 246 265 270 263	273 275 268 245 258 269 272 271
1 2 3 4 5 6 7 8 9 10		FEBRUARY		274 277 279 288 289 294 283 285 291 287	270 273 274 275 283 272 267 282 281 283	272 274 276 278 286 280 274 284 284 285	284 278 280 275 261 271 286 286 285 281	278 270 265 249 237 261 269 281 280 277	280 273 270 267 248 267 277 284 282 279	275 276 274 254 265 272 274 277 274 265	MAY 271 273 254 238 246 265 270 263 265 208	273 275 268 245 258 269 272 271 270 233
1 2 3 4 5 6 7 8 9 10		FEBRUARY		274 277 279 288 289 294 283 285 291 287	270 273 274 275 283 272 267 282 281 283	272 274 276 278 286 280 274 284 284 285	284 278 280 275 261 271 286 286 285 281	278 270 265 249 237 261 269 281 280 277	280 273 270 267 248 267 277 284 282 279	275 276 274 254 265 272 274 277 274 265	MAY 271 273 254 238 246 265 270 263 265 208	273 275 268 245 258 269 272 271 270 233
1 2 3 4 5 6 7 8 9 10 11 12 13 14	======================================	FEBRUARY		274 277 279 288 289 294 283 285 291 287 287 284 283 283	270 273 274 275 283 272 267 282 281 283 282 281 279 278	272 274 276 278 286 280 274 284 284 285 284 282 281 280	284 278 280 275 261 271 286 285 281 281 281 280 267 245	278 270 265 249 237 261 269 281 280 277 277 267 231 232	280 273 270 267 248 267 277 284 282 279 279 275 247 238	275 276 274 254 265 272 274 277 274 265 258 267 279	271 273 254 238 246 265 270 263 265 208 222 254 267 273	273 275 268 245 258 269 272 271 270 233 241 262 271 277
1 2 3 4 5 6 7 8 9 10		FEBRUARY		274 277 279 288 289 294 283 285 291 287 287	270 273 274 275 283 272 267 282 281 283 282 281 279	272 274 276 278 286 280 274 284 284 285 284 285	284 278 280 275 261 271 286 286 285 281 281 280 267	278 270 265 249 237 261 269 281 280 277 277 267 231	280 273 270 267 248 267 277 284 282 279 279 275 247	275 276 274 254 265 272 274 277 274 265 258 267 274	271 273 254 238 246 265 270 263 265 208 222 254	273 275 268 245 258 269 272 271 270 233 241 262 271
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15		FEBRUARY		274 277 279 288 289 294 283 285 291 287 287 284 283 283 282	MARCH 270 273 274 275 283 272 267 282 281 283 282 281 279 278 277	272 274 276 278 286 280 274 284 284 285 284 282 281 280 279	284 278 280 275 261 271 286 285 281 281 280 267 245 263	278 270 265 249 237 261 269 281 280 277 277 267 231 232 245	280 273 270 267 248 267 277 284 282 279 279 275 247 238 258	275 276 274 254 265 272 274 277 274 265 258 267 274 279 280	271 273 254 238 246 265 270 263 265 208 222 254 267 273 277	273 275 268 245 258 269 272 271 270 233 241 262 271 277 279
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15		FEBRUARY		274 277 279 288 289 294 283 285 291 287 287 284 283 283 283 285 515	270 273 274 275 283 272 267 282 281 283 282 281 279 279 278 277	272 274 276 278 286 280 274 284 284 285 281 282 281 280 279	284 278 280 275 261 271 286 286 285 281 281 280 267 245 263	278 270 265 249 237 261 269 281 280 277 277 267 231 232 245	280 273 270 267 248 267 277 284 282 279 279 275 247 238 258	275 276 274 254 265 272 274 277 274 265 258 267 274 279 280	271 273 254 238 246 265 270 263 265 208 222 254 267 277 273 273 266	273 275 268 245 258 269 272 271 270 233 241 262 271 279 278 278
1 2 3 4 5 5 6 7 8 8 9 10 11 12 13 14 15 16 17 18		FEBRUARY		274 277 279 288 289 294 283 285 291 287 287 284 283 283 282 285 515 508	270 273 274 275 283 272 267 282 267 282 281 283 282 281 279 278 277	272 274 276 278 286 280 274 284 284 285 281 280 279 279 403 423	284 278 280 275 261 271 286 286 285 281 281 280 267 245 263	278 270 265 249 237 261 269 281 280 277 277 267 231 232 245	280 273 270 267 248 267 277 284 282 279 279 275 247 238 258 267 271 267	275 276 274 254 265 272 274 277 265 258 267 274 279 280	271 273 254 238 246 265 270 263 265 208 222 254 267 273 277 273 277	273 275 268 245 258 269 272 271 270 233 241 262 271 277 279 278 278 270 276
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15		FEBRUARY		274 277 279 288 289 294 283 285 291 287 287 284 283 283 283 285 515	270 273 274 275 283 272 267 282 281 283 282 281 279 279 278 277	272 274 276 278 286 280 274 284 284 285 281 282 281 280 279	284 278 280 275 261 271 286 286 285 281 281 280 267 245 263	278 270 265 249 237 261 269 281 280 277 277 267 231 232 245	280 273 270 267 248 267 277 284 282 279 279 275 247 238 258	275 276 274 254 265 272 274 277 274 265 258 267 274 279 280	271 273 254 238 246 265 270 263 265 208 222 254 267 277 273 273 266	273 275 268 245 258 269 272 271 270 233 241 262 271 279 278 278
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18		FEBRUARY		274 277 279 288 289 294 283 285 291 287 287 284 283 282 285 515 508 477	270 273 274 275 283 272 267 282 281 283 282 281 279 278 277 276 285 369 343	272 274 276 278 286 280 274 284 284 285 284 282 281 280 279 403 423 378	284 278 280 275 261 271 286 285 281 281 280 267 245 263 270 273 270 269	278 270 265 249 237 261 269 281 280 277 277 267 231 232 245 263 268 265 264	280 273 270 267 248 267 277 284 282 279 279 275 247 238 258 267 271 267 268	275 276 274 254 265 272 274 277 274 265 258 267 274 279 280 281 276 280 279	271 273 254 238 246 265 270 263 265 208 222 254 277 273 277 273 266 270 273 277	273 275 268 245 258 269 272 271 270 233 241 262 271 277 279 278 270 278 270 272 276 272 252
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22		FEBRUARY		274 277 279 288 289 294 283 285 291 287 284 283 282 285 515 508 477 527	270 273 274 275 283 272 267 282 281 283 282 281 279 278 277 276 285 369 343 342 282 287	272 274 276 278 286 280 274 284 284 285 281 282 281 280 279 279 403 423 378 419	284 278 280 275 261 271 286 285 281 281 280 267 245 263 270 273 270 269 276	278 270 265 249 237 261 269 281 280 277 277 267 231 232 245 268 265 264 268	280 273 270 267 248 267 277 284 282 279 275 247 238 258 267 271 267 267 271 268 271	275 276 274 254 265 272 274 277 274 265 258 267 274 279 280 281 276 280 279 258	271 273 254 238 246 265 270 263 265 208 222 254 267 273 277 273 266 270 254 247	273 275 268 245 258 269 272 271 270 233 241 262 271 279 278 270 278 270 276 272 272 272 272 272
1 2 3 4 4 5 6 7 8 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23		FEBRUARY		274 277 279 288 289 294 283 285 291 287 287 284 283 283 282 285 515 508 477 527	270 273 274 275 283 272 267 282 281 283 282 281 279 279 278 277 276 285 369 343 342 282 287	272 274 276 278 286 280 274 284 285 281 282 281 280 279 279 403 423 378 419 313 289 291	284 278 280 275 261 271 286 286 285 281 280 267 245 263 270 273 270 269 276	278 270 265 249 237 261 269 281 280 277 277 267 231 245 268 265 268 265 268 265 268	280 273 270 267 248 267 277 284 282 279 275 247 238 258 267 271 267 268 271	275 276 274 254 265 272 274 277 265 258 267 274 279 280 279 258 271 271 280	271 273 254 238 246 265 270 263 265 208 222 254 267 277 273 266 270 254 247	273 275 268 245 258 269 272 271 270 233 241 262 271 279 278 270 278 270 276 272 252
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22		FEBRUARY		274 277 279 288 289 294 283 285 291 287 284 283 282 285 515 508 477 527	270 273 274 275 283 272 267 282 281 283 282 281 279 278 277 276 285 369 343 342 282 287	272 274 276 278 286 280 274 284 284 285 281 282 281 280 279 279 403 423 378 419	284 278 280 275 261 271 286 285 281 281 280 267 245 263 270 273 270 269 276	278 270 265 249 237 261 269 281 280 277 277 267 231 232 245 268 265 264 268	280 273 270 267 248 267 277 284 282 279 275 247 238 258 267 271 267 267 271 268 271	275 276 274 254 265 272 274 277 274 265 258 267 274 279 280 281 276 280 279 258	271 273 254 238 246 265 270 263 265 208 222 254 267 273 277 273 266 270 254 247	273 275 268 245 258 269 272 271 270 233 241 262 271 279 278 270 278 270 276 272 272 272 272 272
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24		FEBRUARY		274 277 279 288 289 294 283 285 291 287 287 284 283 282 285 515 508 477 527 348 293 294	270 273 274 275 283 272 267 282 281 283 282 281 279 278 277 276 285 369 343 342 282 287 2282	272 274 276 278 286 280 274 284 284 285 281 280 279 279 403 423 378 419 313 289 291	284 278 280 275 261 271 286 285 281 281 280 267 245 263 270 273 270 279 276 278 278 278	278 270 265 249 237 261 269 281 280 277 277 267 231 232 245 263 268 265 264 268 272 271 268 247	280 273 270 267 248 267 277 284 282 279 275 247 238 258 267 271 268 271 274 276 276 276 256	275 276 274 254 265 272 274 265 258 267 274 279 280 281 276 280 279 258	271 273 238 246 265 270 263 265 208 222 254 277 273 267 273 277 273 266 247 256 247	273 275 268 245 258 269 272 271 270 233 241 262 271 277 279 278 270 278 270 272 252 262 276 276 283
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 25 26 27		FEBRUARY		274 277 279 288 289 294 283 285 291 287 287 284 283 282 285 515 508 477 527 348 293 294 290	270 273 274 275 283 272 267 282 281 283 282 281 279 278 277 276 285 369 343 342 282 287 290 288 286	272 274 276 278 286 280 274 284 284 285 284 282 281 280 279 403 423 378 419 313 289 291 291 288	284 278 280 275 261 271 286 285 281 281 280 267 245 263 270 273 270 278 278 278 278 278 278 278 278 278 278	278 270 265 249 237 261 269 281 280 277 277 267 231 232 245 268 265 264 268 272 271 268 247 254	280 273 270 267 248 267 277 284 282 279 275 247 238 258 267 271 267 268 271 274 276 276 276 276 276 276 276 276 276 276	275 276 274 254 265 272 274 277 274 265 258 267 274 279 280 281 276 280 279 258 271 271 280 279 258	271 273 254 246 265 270 263 265 208 222 254 267 273 277 273 266 270 263 247 254 265 270 283 283 288 288 288	273 275 268 245 258 269 272 271 270 233 241 262 271 277 279 278 270 276 272 252 268 276 272 252
1 2 3 4 4 5 6 7 8 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28		FEBRUARY		274 277 279 288 289 294 283 285 291 287 284 283 283 282 285 515 508 477 527 348 293 294 294 290	270 273 274 275 283 272 267 282 281 283 282 281 279 278 277 276 285 369 343 342 282 287 290 288 286	272 274 276 278 286 280 274 284 284 285 281 280 279 279 279 403 423 378 419 313 289 291 291 288 285 285	284 278 280 275 261 271 286 285 281 281 280 267 245 263 270 273 270 269 276 278 278 278 278 278 278 278 278 278 278	278 270 265 249 237 261 269 281 280 277 277 267 231 232 245 268 265 264 268 272 271 268 247 254 230 202 231	280 273 270 267 248 267 277 284 282 279 275 247 238 258 267 271 267 268 271 274 276 276 256 268 271 276 276 276 276 276 276 276 276 276 276	275 276 274 254 265 272 274 277 274 265 258 267 274 279 280 279 258 271 271 280 279 258 271 271 280 291 291	271 273 254 246 265 270 263 265 208 222 254 267 277 273 266 270 256 247 254 265 270 280 283 288 282 276	273 275 268 245 258 269 272 271 270 233 241 262 271 279 278 270 276 272 252 268 272 252 268 272 252 268 272 252
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30		FEBRUARY		274 277 279 288 289 294 283 285 291 287 287 284 283 282 285 515 508 477 527 348 293 294 290 288 284 286 287 287	270 273 274 275 283 272 267 282 281 283 282 281 277 276 285 369 342 287 290 288 287 290 288 286	272 274 276 278 286 280 274 284 285 284 282 281 280 279 279 403 423 378 419 313 289 291 291 288 285 285	284 278 280 275 261 271 286 285 281 281 280 267 245 263 270 273 270 278 278 278 278 278 278 278 278 278 278	278 270 265 249 237 261 269 281 280 277 277 267 231 232 245 268 265 264 268 272 271 268 247 254 230 202 231 260 268	280 273 270 267 248 267 277 284 282 279 275 247 238 258 267 271 267 271 268 271 274 276 276 276 276 276 276 276 276 276 276	275 276 274 254 265 272 274 277 274 265 258 267 279 280 281 276 280 279 258 271 271 280 279 258 271 271 280 292 294 294 296 298 292	271 273 254 246 265 270 263 265 208 222 254 267 273 277 273 266 270 256 247 258 288 282 276 288 288 288 288 288 287	273 275 268 245 258 269 272 271 270 233 241 262 271 277 279 278 270 276 272 252 268 276 283 286 290
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 27 28 29		FEBRUARY		274 277 279 288 289 294 283 285 291 287 287 284 283 282 285 515 508 477 527 348 293 294 294 290	270 273 274 275 283 272 267 282 281 283 282 281 279 278 277 276 285 369 343 342 282 287 298 298 298 298 298 298 298 298 298 298	272 274 276 278 286 280 274 284 284 285 281 280 279 279 403 423 378 419 313 289 291 291 288 285 281	284 278 280 275 261 271 286 285 281 281 280 267 245 263 270 273 270 269 276 278 278 278 273 276 278 278 278 273 276	278 270 265 249 237 261 269 281 280 277 277 267 231 232 245 263 268 265 264 268 272 271 268 247 254 230 202 231 260	280 273 270 267 248 267 277 284 282 279 275 247 238 258 267 271 268 271 274 276 276 276 276 276 276 276 276 276 276	275 276 274 254 265 272 274 265 258 267 274 279 280 281 276 280 279 258 271 271 271 280 285 291 292 294 296 288	271 273 246 265 270 263 265 208 222 254 277 273 277 273 266 247 273 270 256 247 254 265 270 280 283	273 275 268 245 258 269 272 271 270 233 241 262 271 277 279 278 270 276 272 252 268 276 272 252 268 276 283 286

01481000 BRANDYWINE CREEK AT CHADDS FORD, PA--Continued

SPECIFIC CONDUCTANCE, MICROSIEMENS PER CENTIMETER AT 25° CELSIUS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST		S	EPTEMBE	R
1	294	287	290	296	290	293	296	147	224	242	160	207
2	294	281	286	301	296	299	247	198	227	275	242	261
3	290	282	285	303	299	301	277	247	264	288	275	283
4	292	286	290	305	302	304	290	277	284	295	287	292
5	293	275	286	305	303	304	293	280	287	303	293	300
6	277	207	231	311	304	307	292	276	285	304	299	301
7	265	221	245	309	296	305	301	292	298	307	300	304
8	283	265	274	303	286	296	304	299	302	313	303	309
9	291	283	287	288	271	279	306	301	304	321	309	316
10	295	289	292	296	288	292	308	303	305	314	295	303
11	293	268	287	297	294	296	318	303	309	311	299	306
12	273	258	264	297	170	254	316	208	286	313	307	310
13				226	155	192	230	150	180	319	310	313
14				265	226	250	250	207	231	325	313	317
15				276	240	256	268	250	261	320	313	317
16				286	244	268	283	268	275	322	317	319
17				295	285	291	283	272	277	324	321	322
18				300	256	288	297	277	281	322	132	232
19				261	233	244	285	280	283	217	138	177
20				288	261	275	289	281	286	253	217	239
21				293	284	290	290	254	279	273	253	264
22				292	283	288	322	251	268	280	273	276
23				297	291	294	284	261	274	286	280	283
24				306	296	301	295	283	291	294	282	290
25	305	292	301	307	298	301	311	295	305	294	291	293
26	299	290	294	306	300	303	326	305	312	297	291	295
27	296	291	293	307	232	299	320	313	317	297	293	295
28	300	294	297	232	157	181	321	316	318	303	74	244
29	301	294	297	242	181	219	317	313	315	181	75	125
30	303	289	297	267	240	254	319	297	310	226	181	209
31				291	267	279	301	158	227			
MONTH	305	207	283	311	155	278	326	147	280	325	74	277

$PH, WATER, WHOLE, FIELD, STANDARD\ UNITS, WATER\ YEAR\ OCTOBER\ 2003\ TO\ SEPTEMBER\ 2004$

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBE	R	N	OVEMBE	R	:	DECEMBE	R		JANUAR	Y
1	7.5	7.4	7.5	7.1	7.0	7.1						
2	7.6	7.4	7.5	7.1	7.1	7.1						
3 4	7.6 7.6	7.5 7.5	7.5 7.5	7.1 7.0	6.8 7.0	7.0 7.0						
5	7.6	7.5	7.5	7.0	6.9	7.0						
	7.0			7.4								
6	7.6	7.5	7.5	7.3	6.8	6.9						
7	7.6	7.5	7.5	7.0	6.9	6.9						
8	7.6	7.4	7.5	6.9	6.8	6.9						
9	7.7	7.4	7.5	6.9	6.8	6.8						
10	8.1	7.4	7.6	6.8	6.8	6.8						
11	8.4	7.6	7.9	6.8	6.8	6.8						
12	8.2	7.5	7.8	6.8	6.8	6.8						
13	7.9	7.5	7.7	6.9	6.8	6.8						
14	7.8	7.4	7.6	6.9	6.9	6.9						
15	7.6	7.2	7.2	6.9	6.9	6.9						
16	7.3	7.2	7.2	6.9	6.8	6.9						
17	7.3	7.3	7.3	6.8	6.8	6.8						
18	7.4	7.3	7.3	7.4	6.7	6.8						
19	7.4	7.3	7.3	7.4	7.2	7.4						
20	7.6	7.3	7.3	7.2	7.0	7.1						
21	7.6	7.4	7.5	7.0	7.0	7.0						
22	7.5	7.4	7.5	7.0	6.9	7.0						
23	7.6	7.4	7.5	6.9	6.8	6.8						
24	7.6	7.5	7.5	7.1	6.9	7.1						
25	7.6	7.4	7.5	7.1	6.9	7.0						
26	7.5	7.4	7.5	6.9	6.8	6.9						
27	7.4	6.8	7.1	6.8	6.8	6.8						
28	7.2	6.8	7.1	7.0	6.8	6.9						
29	7.3	7.1	7.2	7.0	6.8	6.9						
30	7.2	7.1	7.2	6.8	6.8	6.8						
31	7.2	7.1	7.2									
MAX	8.4	7.6	7.9	7.4	7.2	7.4						
MIN	7.2	6.8	7.1	6.8	6.7	6.8						

01481000 BRANDYWINE CREEK AT CHADDS FORD, PA--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUAR	Y		MARCH			APRIL			MAY	
1 2				8.1 8.1	7.6 7.6	7.8 7.8	7.8 7.7	7.5 7.5	7.6 7.6	7.4 7.4	7.3 7.2	7.3 7.3
3 4				8.2 8.0	7.6 7.6	7.9 7.8	7.6 7.5	7.5 7.4	7.5 7.5	7.4 7.6	7.3 7.3	7.3 7.3
5				7.9	7.6	7.8	7.6	7.4	7.5	7.7	7.5	7.6
6 7				7.8 7.8	7.5 7.5	7.6 7.6	7.6 7.9	7.5 7.5	7.6 7.6	7.7 7.7	7.5 7.4	7.6 7.6
8				7.8	7.6	7.7	7.8	7.5	7.7	7.8	7.4	7.6
9 10				7.9 7.9	7.6 7.6	7.7 7.8	8.0 8.2	7.5 7.6	7.7 7.8	7.8 7.7	7.5 7.2	7.7 7.3
11				7.9	7.7	7.8	8.0	7.6	7.7	7.5	7.2	7.2
12 13				8.0 7.9	7.6 7.7	7.8 7.8	7.9 7.7	7.5 7.5	7.7 7.5	7.6 7.6	7.3 7.4	7.4 7.5
14 15				7.9 7.9	7.7 7.7	7.8 7.8	7.5 7.7	7.4 7.4	7.4 7.5	7.6 7.7	7.4 7.4	7.5 7.5
16				7.8	7.6	7.7	7.7	7.5	7.6	7.6	7.4	7.5
17 18				7.8	7.6	7.7 7.8	7.8 7.8	7.5	7.6	7.6 7.6	7.3	7.5
19				7.9	7.6	7.7	7.9	7.4	7.6	7.5	7.4	7.4
20				7.8	7.6	7.7	8.2	7.4	7.7	7.4	7.3	7.3
21 22				7.8 7.8	7.6 7.6	7.7 7.7	8.1 8.2	7.4 7.4	7.7 7.8	7.4 7.5	7.3 7.3	7.3 7.4
23 24				7.8 7.9	7.5 7.6	7.7 7.7	8.0 7.6	7.4 7.3	7.6 7.4	7.5 7.6	7.4 7.4	7.4 7.5
25	7.9	7.6	7.7	7.8	7.6	7.7	7.6	7.3	7.4	7.7	7.4	7.5
26 27	7.9 7.9	7.6 7.6	7.8 7.8	7.9 7.8	7.5 7.5	7.7 7.7	7.5 7.3	7.3 7.2	7.4 7.2	7.6 7.7	7.4 7.4	7.5 7.6
28	7.9	7.6	7.8	7.9	7.5	7.7	7.4	7.2	7.3	7.7	7.4	7.6
29 30	8.0	7.6	7.8	7.9 7.8	7.6 7.6	7.8 7.7	7.4 7.4	7.3 7.3	7.3 7.3	7.9 7.9	7.5 7.5	7.6 7.7
31				7.8	7.6	7.7				7.8	7.5	7.6
MAX MIN	8.0 7.9	7.6 7.6	7.8 7.7	8.2 7.8	7.7 7.5	7.9 7.6	8.2 7.3	7.6 7.2	7.8 7.2	7.9 7.4	7.5 7.2	7.7 7.2
DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
DAY	MAX	MIN JUNE	MEDIAN	MAX	MIN JULY	MEDIAN	MAX	MIN AUGUST	MEDIAN	MAX	MIN SEPTEMB	
1	7.9	JUNE 7.5	7.6	8.6	JULY 7.8	8.3	7.5	AUGUST	7.2	7.3	SEPTEMB 7.2	ER 7.2
1 2 3	7.9 7.9 8.0	JUNE 7.5 7.5 7.5	7.6 7.7 7.8	8.6 8.8 8.8	JULY 7.8 7.7 7.7	8.3 8.3 8.4	7.5 7.3 7.4	AUGUST 6.9 7.2 7.3	7.2 7.2 7.3	7.3 7.4 7.5	7.2 7.2 7.4	7.2 7.4 7.4
1 2	7.9 7.9	JUNE 7.5 7.5	7.6 7.7	8.6 8.8	JULY 7.8 7.7	8.3 8.3	7.5 7.3	AUGUST 6.9 7.2	7.2 7.2	7.3 7.4	7.2 7.2	ER 7.2 7.4
1 2 3 4	7.9 7.9 8.0 8.0	7.5 7.5 7.5 7.5 7.5	7.6 7.7 7.8 7.8	8.6 8.8 8.8 8.7	7.8 7.7 7.7 7.7	8.3 8.3 8.4 8.3	7.5 7.3 7.4 7.5	AUGUST 6.9 7.2 7.3 7.3	7.2 7.2 7.3 7.4	7.3 7.4 7.5 7.6	7.2 7.2 7.4 7.4	7.2 7.4 7.4 7.5
1 2 3 4 5	7.9 7.9 8.0 8.0 7.8 7.5	7.5 7.5 7.5 7.5 7.4 7.4 7.3	7.6 7.7 7.8 7.8 7.5 7.4	8.6 8.8 8.7 8.5 8.3 8.1	7.8 7.7 7.7 7.7 7.6 7.5 7.5	8.3 8.4 8.3 8.1 7.8 7.6	7.5 7.3 7.4 7.5 7.5 7.6	AUGUST 6.9 7.2 7.3 7.3 7.4 7.4 7.4	7.2 7.2 7.3 7.4 7.4 7.5	7.3 7.4 7.5 7.6 7.6 7.7	7.2 7.2 7.4 7.4 7.4 7.5 7.5	7.2 7.4 7.4 7.5 7.5
1 2 3 4 5 6 7 8 9	7.9 7.9 8.0 8.0 7.8 7.5 7.4 7.4	7.5 7.5 7.5 7.5 7.4 7.4 7.3 7.3	7.6 7.7 7.8 7.8 7.5 7.4 7.4 7.4	8.6 8.8 8.7 8.5 8.3 8.1 7.8	7.8 7.7 7.7 7.7 7.6 7.5 7.5 7.4 7.4	8.3 8.3 8.4 8.3 8.1 7.8 7.6 7.6 7.5	7.5 7.3 7.4 7.5 7.5 7.6 7.6 7.7 7.8	6.9 7.2 7.3 7.3 7.4 7.4 7.5 7.5	7.2 7.2 7.3 7.4 7.5 7.5 7.6 7.6	7.3 7.4 7.5 7.6 7.7 7.7 7.7	7.2 7.2 7.4 7.4 7.4 7.5 7.5 7.5	7.2 7.4 7.4 7.5 7.5 7.6 7.6 7.5
1 2 3 4 5 6 7 8 9	7.9 7.9 8.0 8.0 7.8 7.5 7.4 7.4 7.5	7.5 7.5 7.5 7.5 7.4 7.4 7.3 7.3 7.3	7.6 7.7 7.8 7.8 7.5 7.4 7.4 7.4	8.6 8.8 8.7 8.5 8.3 8.1 7.8 7.7	7.8 7.7 7.7 7.7 7.6 7.5 7.4 7.4 7.5	8.3 8.4 8.3 8.1 7.8 7.6 7.6 7.5	7.5 7.3 7.4 7.5 7.5 7.6 7.6 7.7 7.8 8.1	6.9 7.2 7.3 7.3 7.4 7.4 7.5 7.5	7.2 7.2 7.3 7.4 7.4 7.5 7.6 7.6	7.3 7.4 7.5 7.6 7.6 7.7 7.7 7.6 7.6	7.2 7.2 7.4 7.4 7.4 7.5 7.5 7.5 7.5	7.2 7.4 7.4 7.5 7.5 7.5 7.6 7.6 7.5 7.5
1 2 3 4 5 6 7 8 9 10	7.9 7.9 8.0 8.0 7.8 7.5 7.4 7.5 7.5 7.5	7.5 7.5 7.5 7.5 7.4 7.4 7.3 7.3 7.3	7.6 7.7 7.8 7.8 7.5 7.4 7.4 7.4 7.4 7.4	8.6 8.8 8.7 8.5 8.3 8.1 7.8 7.7	7.8 7.7 7.7 7.7 7.6 7.5 7.4 7.5 7.5 7.1	8.3 8.4 8.3 8.1 7.8 7.6 7.6 7.5 7.6	7.5 7.3 7.4 7.5 7.5 7.6 7.6 7.7 7.8 8.1	AUGUST 6.9 7.2 7.3 7.3 7.4 7.4 7.4 7.5 7.5 7.5 7.6 7.3	7.2 7.2 7.3 7.4 7.4 7.5 7.6 7.6 7.7	7.3 7.4 7.5 7.6 7.6 7.7 7.7 7.6 7.6	7.2 7.2 7.4 7.4 7.4 7.5 7.5 7.5 7.5 7.5	7.2 7.4 7.4 7.5 7.5 7.6 7.6 7.5 7.5 7.5
1 2 3 4 5 6 7 8 9 10	7.9 7.9 8.0 8.0 7.8 7.5 7.4 7.5 7.5 7.5	7.5 7.5 7.5 7.5 7.4 7.4 7.3 7.3 7.3 7.3	7.6 7.7 7.8 7.8 7.5 7.4 7.4 7.4 7.4 7.4	8.6 8.8 8.7 8.5 8.3 8.1 7.7 7.8 7.8 7.6 7.3	7.8 7.7 7.7 7.7 7.6 7.5 7.4 7.4 7.5 7.1 7.1	8.3 8.4 8.3 8.1 7.8 7.6 7.5 7.6 7.5 7.6 7.5	7.5 7.3 7.4 7.5 7.5 7.6 7.6 7.7 7.8 8.1 8.2 7.8 7.3 7.3	AUGUST 6.9 7.2 7.3 7.4 7.4 7.5 7.5 7.5 7.6 7.3 7.1	7.2 7.2 7.3 7.4 7.5 7.5 7.6 7.7 7.7 7.6 7.7	7.3 7.4 7.5 7.6 7.6 7.7 7.7 7.6 7.6 7.6 7.7	7.2 7.2 7.4 7.4 7.5 7.5 7.5 7.5 7.5 7.5	7.2 7.4 7.5 7.5 7.6 7.6 7.5 7.5 7.5
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	7.9 7.9 8.0 8.0 7.8 7.5 7.4 7.5 7.5 7.5	7.5 7.5 7.5 7.5 7.5 7.4 7.4 7.3 7.3 7.3 7.3	7.6 7.7 7.8 7.8 7.5 7.4 7.4 7.4 7.4	8.6 8.8 8.8 8.7 8.5 8.3 8.1 7.8 7.7 7.8 7.6 7.3 7.4	7.8 7.7 7.7 7.6 7.5 7.4 7.4 7.5 7.5 7.1 7.3 7.4	8.3 8.4 8.3 8.1 7.6 7.6 7.6 7.5 7.6 7.5 7.2 7.3	7.5 7.3 7.4 7.5 7.5 7.6 7.6 7.7 7.8 8.1 8.2 7.8 7.3 7.3	AUGUST 6.9 7.2 7.3 7.4 7.4 7.4 7.5 7.5 7.5 7.6 7.3 7.1 7.2 7.3	7.2 7.2 7.3 7.4 7.4 7.5 7.6 7.6 7.7 7.7 7.6 7.2 7.3	7.3 7.4 7.5 7.6 7.6 7.7 7.6 7.6 7.6 7.7	7.2 7.4 7.4 7.5 7.5 7.5 7.5 7.5 7.5	7.2 7.4 7.4 7.5 7.5 7.6 7.6 7.5 7.5 7.5 7.5
1 2 3 4 5 6 7 8 9 10	7.9 7.9 8.0 8.0 7.8 7.5 7.4 7.5 7.5 7.5	7.5 7.5 7.5 7.5 7.4 7.4 7.3 7.3 7.3 7.3	7.6 7.7 7.8 7.8 7.5 7.4 7.4 7.4 7.4 7.4	8.6 8.8 8.7 8.5 8.3 8.1 7.7 7.8 7.8 7.6 7.3	7.8 7.7 7.7 7.7 7.6 7.5 7.4 7.4 7.5 7.1 7.1	8.3 8.4 8.3 8.1 7.8 7.6 7.5 7.6 7.5 7.6 7.5	7.5 7.3 7.4 7.5 7.5 7.6 7.6 7.7 7.8 8.1 8.2 7.8 7.3 7.4	AUGUST 6.9 7.2 7.3 7.4 7.4 7.5 7.5 7.5 7.6 7.3 7.1	7.2 7.2 7.3 7.4 7.5 7.5 7.6 7.7 7.7 7.6 7.7	7.3 7.4 7.5 7.6 7.6 7.7 7.7 7.6 7.6 7.6 7.7	7.2 7.2 7.4 7.4 7.5 7.5 7.5 7.5 7.5 7.5	7.2 7.4 7.5 7.5 7.6 7.6 7.5 7.5 7.5
1 2 3 4 5 5 6 7 8 9 10 11 12 13 14 15 16 17 18	7.9 7.9 8.0 8.0 7.8 7.5 7.4 7.4 7.5 7.5 7.5	7.5 7.5 7.5 7.5 7.4 7.4 7.3 7.3 7.3 7.3	7.6 7.7 7.8 7.8 7.5 7.4 7.4 7.4 7.4 7.4	8.6 8.8 8.8 8.7 8.5 8.3 8.1 7.8 7.7 7.8 7.6 7.3 7.4 7.6 7.6	7.8 7.7 7.7 7.6 7.5 7.4 7.4 7.5 7.5 7.1 7.1 7.3 7.4 7.3 7.4 7.3	8.3 8.4 8.3 8.1 7.8 7.6 7.6 7.5 7.6 7.5 7.2 7.3 7.4	7.5 7.3 7.4 7.5 7.5 7.6 7.6 7.7 7.8 8.1 8.2 7.3 7.3 7.3 7.4	AUGUST 6.9 7.2 7.3 7.4 7.4 7.5 7.5 7.6 7.6 7.3 7.1 7.2 7.3 7.4 7.4 7.4 7.7	7.2 7.2 7.3 7.4 7.5 7.6 7.7 7.7 7.6 7.2 7.3 7.4 7.5	7.3 7.4 7.5 7.6 7.6 7.7 7.7 7.6 7.6 7.7 7.7 7.8 7.7 7.7	7.2 7.4 7.4 7.5 7.5 7.5 7.5 7.5 7.5 7.5 6.8	7.2 7.4 7.4 7.5 7.5 7.6 7.6 7.5 7.5 7.6 7.6 7.6 7.6
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	7.9 7.9 8.0 8.0 7.8 7.5 7.4 7.4 7.5 7.5 7.5	7.5 7.5 7.5 7.5 7.4 7.4 7.3 7.3 7.3 7.3	7.6 7.7 7.8 7.8 7.5 7.4 7.4 7.4 7.4 7.4	8.6 8.8 8.7 8.5 8.3 8.1 7.8 7.7 7.8 7.6 7.3 7.4 7.4	7.8 7.7 7.7 7.7 7.6 7.5 7.5 7.4 7.5 7.1 7.1 7.3 7.4	8.3 8.4 8.3 8.1 7.8 7.6 7.5 7.6 7.5 7.6 7.5 7.4	7.5 7.3 7.4 7.5 7.5 7.6 7.6 7.7 7.8 8.1 8.2 7.8 7.3 7.4	AUGUST 6.9 7.2 7.3 7.4 7.4 7.5 7.5 7.5 7.6 7.3 7.1 7.2 7.3 7.1 7.2 7.3	7.2 7.3 7.4 7.4 7.5 7.6 7.7 7.7 7.6 7.2 7.3 7.3	7.3 7.4 7.5 7.6 7.6 7.7 7.6 7.6 7.6 7.7 7.7 7.7	7.2 7.4 7.4 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5	7.2 7.4 7.5 7.5 7.6 7.6 7.5 7.5 7.5 7.6 7.6 7.6
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	7.9 7.9 8.0 8.0 7.8 7.5 7.4 7.5 7.5 7.5	7.5 7.5 7.5 7.5 7.4 7.4 7.3 7.3 7.3 7.3	7.6 7.7 7.8 7.8 7.5 7.4 7.4 7.4 7.4 7.4	8.6 8.8 8.7 8.5 8.3 8.1 7.7 7.8 7.6 7.4 7.4 7.4 7.4	7.8 7.7 7.7 7.7 7.6 7.5 7.4 7.5 7.1 7.1 7.1 7.3 7.4 7.3 7.4 7.3 7.3	8.3 8.3 8.4 8.3 8.1 7.8 7.6 7.5 7.6 7.5 7.6 7.5 7.4 7.4 7.4 7.4 7.4	7.5 7.3 7.4 7.5 7.5 7.6 7.6 7.7 7.8 8.1 8.2 7.3 7.3 7.4 7.5 7.7 7.7	AUGUST 6.9 7.2 7.3 7.4 7.4 7.5 7.5 7.5 7.6 7.3 7.1 7.2 7.3 7.4 7.4 7.5 7.7 7.4 7.4 7.4 7.5 7.5 7.6 7.3	7.2 7.2 7.3 7.4 7.5 7.5 7.6 7.7 7.7 7.6 7.2 7.3 7.4 7.4 7.5 7.6	7.3 7.4 7.5 7.6 7.6 7.7 7.7 7.6 7.6 7.7 7.7 7.7 7.7	7.2 7.2 7.4 7.4 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5	7.2 7.4 7.5 7.5 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6
1 2 3 4 5 6 7 8 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	7.9 7.9 8.0 8.0 7.8 7.5 7.4 7.4 7.5 7.5 7.5	7.5 7.5 7.5 7.4 7.4 7.3 7.3 7.3 7.3 7.3	7.6 7.7 7.8 7.8 7.5 7.4 7.4 7.4 7.4 7.4	8.6 8.8 8.8 8.7 8.5 8.3 8.1 7.8 7.7 7.8 7.6 7.3 7.4 7.6 7.4 7.4 7.5	7.8 7.7 7.7 7.6 7.5 7.5 7.4 7.4 7.1 7.1 7.1 7.3 7.4 7.3 7.4 7.3 7.4 7.3 7.4 7.3 7.4 7.3 7.4 7.3	8.3 8.4 8.3 8.1 7.8 7.6 7.6 7.5 7.6 7.5 7.2 7.3 7.4 7.4 7.4 7.4 7.4	7.5 7.3 7.4 7.5 7.5 7.6 7.6 7.7 7.8 8.1 8.2 7.8 7.3 7.3 7.4 7.5 7.7 7.7	AUGUST 6.9 7.2 7.3 7.4 7.4 7.5 7.5 7.6 7.3 7.1 7.2 7.3 7.1 7.2 7.3 7.4 7.4 7.5 7.4 7.4 7.4 7.5 7.4	7.2 7.2 7.3 7.4 7.5 7.6 7.7 7.6 7.7 7.6 7.2 7.3 7.4 7.5 7.6 7.5 7.6	7.3 7.4 7.5 7.6 7.6 7.7 7.7 7.6 7.7 7.7 7.8 7.7 7.7 7.8 7.7 7.7	7.2 7.4 7.4 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5	7.2 7.4 7.5 7.5 7.6 7.6 7.5 7.5 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.4 7.4
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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26	7.9 7.9 8.0 8.0 7.8 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.7 7.8 7.8	7.5 7.5 7.5 7.5 7.4 7.4 7.3 7.3 7.3 7.4 7.3	7.6 7.7 7.8 7.8 7.5 7.4 7.4 7.4 7.4 7.5 7.7	8.6 8.8 8.7 8.5 8.3 8.1 7.7 7.8 7.6 7.3 7.4 7.4 7.6 7.4 7.4 7.5 7.6 7.5 7.6 7.6	7.8 7.7 7.7 7.7 7.6 7.5 7.4 7.5 7.1 7.1 7.3 7.4 7.3 7.4 7.3 7.3 7.3	8.3 8.3 8.4 8.3 8.1 7.8 7.6 7.5 7.6 7.5 7.6 7.5 7.4 7.4 7.4 7.4 7.4 7.4 7.5 7.5 7.5	7.5 7.3 7.4 7.5 7.5 7.6 7.6 7.7 7.8 8.1 8.2 7.3 7.3 7.4 7.5 7.7 7.7 7.7	AUGUST 6.9 7.2 7.3 7.4 7.4 7.5 7.5 7.5 7.6 7.3 7.1 7.2 7.3 7.4 7.4 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.6 7.3 7.1 7.2 7.3	7.2 7.2 7.3 7.4 7.5 7.6 7.7 7.6 7.7 7.6 7.3 7.4 7.5 7.6 7.6 7.5 7.6 7.6 7.6 7.5	7.3 7.4 7.5 7.6 7.6 7.7 7.7 7.6 7.6 7.7 7.7 7.8 7.7 7.7 7.8 7.7 7.7 7.6 7.7	7.2 7.2 7.4 7.4 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5	7.2 7.4 7.5 7.5 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.4 7.4 7.5 7.5
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27	7.9 7.9 8.0 8.0 7.8 7.5 7.4 7.4 7.5 7.5 7.5 7.5 7.7 7.5 7.7 7.7 7.7 7.7	7.5 7.5 7.5 7.5 7.4 7.4 7.3 7.3 7.3 7.4 7.3 7.6 7.5	7.6 7.7 7.8 7.8 7.4 7.4 7.4 7.4 7.7 7.6 7.7	8.6 8.8 8.7 8.5 8.3 8.1 7.8 7.8 7.8 7.6 7.3 7.4 7.6 7.4 7.6 7.4 7.5 7.6 7.5 7.6	7.8 7.7 7.7 7.7 7.6 7.5 7.4 7.5 7.1 7.1 7.3 7.4 7.3 7.4 7.3 7.4 7.3 7.4 7.3 7.4 7.5	8.3 8.4 8.3 8.1 7.8 7.6 7.5 7.6 7.5 7.6 7.5 7.4 7.4 7.4 7.4 7.4 7.4 7.5 7.5 7.5	7.5 7.3 7.4 7.5 7.6 7.6 7.7 7.8 8.1 8.2 7.8 7.3 7.4 7.5 7.7 7.7 7.7 7.7	AUGUST 6.9 7.2 7.3 7.4 7.4 7.5 7.5 7.6 7.3 7.12 7.3 7.14 7.4 7.4 7.4 7.4 7.4 7.5 7.5 7.5 7.5 7.5	7.2 7.2 7.3 7.4 7.5 7.5 7.6 7.7 7.6 7.7 7.6 7.3 7.4 7.5 7.6 7.5 7.6 7.6 7.7	7.3 7.4 7.5 7.6 7.6 7.7 7.6 7.6 7.7 7.7 7.7 7.7 7.7	7.2 7.4 7.4 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5	7.2 7.4 7.5 7.5 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.4 7.4 7.4 7.5 7.5
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 29 20 20 20 20 20 20 20 20 20 20 20 20 20	7.9 7.9 8.0 8.0 7.8 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5	7.5 7.5 7.5 7.5 7.4 7.4 7.3 7.3 7.3 7.4 7.3 7.6 7.6 7.6 7.7	7.6 7.7 7.8 7.8 7.5 7.4 7.4 7.4 7.4 7.4 7.7 7.6 7.7	8.6 8.8 8.7 8.5 8.3 8.1 7.7 7.8 7.6 7.7 7.4 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6	7.8 7.7 7.7 7.7 7.6 7.5 7.4 7.5 7.1 7.1 7.1 7.3 7.4 7.3 7.4 7.3 7.4 7.3 7.4 7.3 7.4 7.3	8.3 8.3 8.4 8.3 8.1 7.8 7.6 7.5 7.6 7.5 7.6 7.5 7.4 7.4 7.4 7.4 7.4 7.4 7.5 7.5 7.5 7.5	7.5 7.3 7.4 7.5 7.6 7.6 7.7 7.8 8.1 8.2 7.3 7.3 7.4 7.5 7.7 7.7 7.7 7.7 7.7 7.8 7.9 7.9 7.8	AUGUST 6.9 7.2 7.3 7.4 7.4 7.5 7.5 7.5 7.6 7.3 7.1 7.2 7.3 7.4 7.4 7.4 7.5 7.5 7.5 7.5 7.5 7.7 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.5 7.5 7.5 7.5 7.5 7.5	7.2 7.2 7.3 7.4 7.5 7.6 7.7 7.62 7.3 7.4 7.5 7.6 7.5 7.6 7.5 7.6 7.7 7.6 7.6 7.7 7.6 7.6 7.7	7.3 7.4 7.5 7.6 7.6 7.7 7.7 7.6 7.7 7.7 7.7 7.8 7.7 7.7 7.8 7.7 7.7 7.6 7.7 7.7 7.6 7.7	7.2 7.4 7.4 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5	7.2 7.4 7.5 7.5 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.4 7.4 7.4 7.5 7.5 7.5 7.5
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28	7.9 7.9 7.9 8.0 8.0 7.8 7.5 7.4 7.4 7.5 7.5 7.5 7.5 7.7 7.5 7.7 7.7 7.7 7.7	7.5 7.5 7.5 7.4 7.4 7.3 7.3 7.3 7.3 7.3 7.3 7.4 7.6 7.6	7.6 7.7 7.8 7.8 7.5 7.4 7.4 7.4 7.4 7.7 7.6 7.7 7.6 7.7	8.6 8.8 8.8 8.7 8.5 8.3 8.1 7.8 7.6 7.3 7.4 7.6 7.4 7.5 7.5 7.5 7.6 7.6 7.7	7.8 7.7 7.7 7.6 7.5 7.5 7.4 7.5 7.1 7.1 7.3 7.4 7.3 7.4 7.3 7.4 7.3 7.4 7.3 7.4 7.3 7.4 7.5	8.3 8.4 8.3 8.1 7.8 7.6 7.5 7.6 7.5 7.2 7.4 7.4 7.4 7.4 7.4 7.5 7.5 7.5 7.5	7.5 7.3 7.4 7.5 7.5 7.6 7.6 7.7 7.8 8.1 8.2 7.8 7.3 7.4 7.5 7.7 7.7 7.7 7.7 7.6 7.7 7.7	AUGUST 6.9 7.2 7.3 7.4 7.4 7.5 7.5 7.6 7.3 7.1 7.2 7.3 7.1 7.2 7.3 7.4 7.4 7.4 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5	7.2 7.3 7.4 7.5 7.6 7.7 7.6 7.3 7.3 7.4 7.5 7.6 7.5 7.6 7.7 7.6 7.7 7.6 7.7	7.3 7.4 7.5 7.6 7.6 7.7 7.6 7.7 7.8 7.7 7.7 7.8 7.7 7.6 7.3 7.7 7.6 7.6 7.6 7.6	7.2 7.4 7.4 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5	7.2 7.4 7.5 7.5 7.6 7.6 7.5 7.5 7.6 7.6 7.6 7.6 7.4 7.4 7.5 7.5 7.5
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01481000 BRANDYWINE CREEK AT CHADDS FORD, PA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	•
1 2	15.5 14.5	14.5 13.0	14.5 14.0	13.5 14.5	12.0 13.0	13.0 14.0						
3 4	13.0 12.5	11.5 11.5	12.5 12.0	15.0 15.5	13.5 14.0	14.5 15.0						
5	13.0	11.5	12.5	15.5	15.0	15.5						
6	13.0	11.5	12.0	15.5	15.0	15.5						
7 8	12.5 14.0	11.0 12.5	12.0 13.0	15.0 13.5	13.5 11.0	14.5 12.0						
9 10	15.5 15.5	13.5 14.5	14.5 15.0	11.0 8.5	8.5 7.5	9.5 8.0						
	16.5											
11 12	16.5	15.0 15.5	16.0 16.0	9.5 11.5	7.5 9.5	8.0 10.5						
13 14	16.5 15.5	15.5 14.5	16.0 15.0	11.5 9.5	9.5 7.5	11.0 8.0						
15	15.0	14.0	15.0	9.0	8.0	8.5						
16	14.0	12.5	13.5	10.0	8.5	9.0						
17 18	13.5 13.0	13.0 12.0	13.0 12.5	11.0 10.5	10.0 10.0	10.5 10.0						
19 20	13.0 12.5	12.0 11.5	12.5 12.0	13.5 13.5	10.5 10.5	12.0 12.0						
				10.5								
21 22	13.5 13.5	12.0 12.5	12.5 13.5	10.0	9.5 9.0	10.0 9.5						
23 24	12.5 10.0	10.0 8.5	11.0 9.0	10.0 10.5	9.0 9.5	9.5 10.0						
25	10.0	8.5	9.5	10.5	8.0	9.0						
26	13.5	10.0	11.5	8.0	7.0	7.5						
27 28	15.0 14.5	13.5 12.5	14.5 13.0	8.5 10.5	7.0 8.5	7.5 9.5						
29	12.5	12.0	12.0	10.5	7.5	9.0						
30 31	12.0 12.5	11.0 11.0	11.5 11.5	7.5	7.0	7.0						
MONTH	16.5	8.5	13.0	15.5	7.0	10.7						
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
DAY	MAX	MIN FEBRUARY	MEAN	MAX	MIN MARCH	MEAN	MAX	MIN APRIL	MEAN	MAX	MIN MAY	MEAN
1		FEBRUARY		7.0	MARCH 5.5	6.5	10.5	APRIL 9.5	10.0	18.5	MAY 16.5	17.5
		FEBRUARY			MARCH			APRIL			MAY	
1 2 3 4		FEBRUARY	 	7.0 9.0 10.0 10.0	MARCH 5.5 7.0 8.0 9.0	6.5 8.0 9.0 9.5	10.5 10.5 9.5 9.0	9.5 9.5 9.5 8.5 7.0	10.0 10.0 9.0 8.5	18.5 19.0 19.0 15.0	MAY 16.5 18.0 14.5 13.0	17.5 18.5 17.0 14.0
1 2 3 4 5		FEBRUARY		7.0 9.0 10.0 10.0 9.5	5.5 7.0 8.0 9.0 9.0	6.5 8.0 9.0 9.5 9.5	10.5 10.5 9.5 9.0 8.0	9.5 9.5 8.5 7.0 5.5	10.0 10.0 9.0 8.5 7.0	18.5 19.0 19.0 15.0	MAY 16.5 18.0 14.5 13.0 13.5	17.5 18.5 17.0 14.0
1 2 3 4 5		FEBRUARY		7.0 9.0 10.0 10.0 9.5	MARCH 5.5 7.0 8.0 9.0 9.0 9.0	6.5 8.0 9.0 9.5 9.5	10.5 10.5 9.5 9.0 8.0 9.0 12.0	9.5 9.5 8.5 7.0 5.5	10.0 10.0 9.0 8.5 7.0 7.5 10.5	18.5 19.0 19.0 15.0 15.0	MAY 16.5 18.0 14.5 13.0 13.5	17.5 18.5 17.0 14.0 14.0
1 2 3 4 5		FEBRUARY		7.0 9.0 10.0 10.0 9.5 10.5 10.5	MARCH 5.5 7.0 8.0 9.0 9.0 9.0 9.5 9.0 8.5	6.5 8.0 9.0 9.5 9.5 9.5	10.5 10.5 9.5 9.0 8.0 9.0 12.0	9.5 9.5 8.5 7.0 5.5 6.0 8.5 10.5	10.0 10.0 9.0 8.5 7.0 7.5 10.5	18.5 19.0 19.0 15.0 15.0	MAY 16.5 18.0 14.5 13.0 13.5 15.5 16.0	17.5 18.5 17.0 14.0 14.0
1 2 3 4 5		FEBRUARY		7.0 9.0 10.0 10.0 9.5	MARCH 5.5 7.0 8.0 9.0 9.0 9.0	6.5 8.0 9.0 9.5 9.5	10.5 10.5 9.5 9.0 8.0 9.0 12.0	9.5 9.5 8.5 7.0 5.5	10.0 10.0 9.0 8.5 7.0 7.5 10.5	18.5 19.0 19.0 15.0 15.0	MAY 16.5 18.0 14.5 13.0 13.5	17.5 18.5 17.0 14.0 14.0
1 2 3 4 5 6 7 8 9 10		FEBRUARY		7.0 9.0 10.0 10.0 9.5 10.5 10.5 10.5 7.5	MARCH 5.5 7.0 8.0 9.0 9.0 9.5 9.0 8.5 7.5 6.5	6.5 8.0 9.0 9.5 9.5 9.5 9.0 8.0 7.0	10.5 10.5 9.5 9.0 8.0 9.0 12.0 12.5 12.5	9.5 9.5 8.5 7.0 5.5 6.0 8.5 10.5 10.0	10.0 10.0 9.0 8.5 7.0 7.5 11.0 11.0	18.5 19.0 19.0 15.0 15.0 16.5 17.5 17.5 18.0 19.5	MAY 16.5 18.0 14.5 13.0 13.5 15.5 15.5 16.0 17.0	17.5 18.5 17.0 14.0 14.0 15.0 16.5 17.0 16.5 18.0
1 2 3 4 5 6 7 8 9		FEBRUARY		7.0 9.0 10.0 10.0 9.5 10.5 10.5 10.0 8.5 7.5	5.5 7.0 8.0 9.0 9.0 9.5 9.0 8.5 7.5 6.5	6.5 8.0 9.0 9.5 9.5 9.5 9.5 9.0 8.0 7.0	10.5 10.5 9.5 9.0 8.0 9.0 12.0 12.0 12.5	9.5 9.5 8.5 7.0 5.5 6.0 8.5 10.5 10.0	10.0 10.0 9.0 8.5 7.0 7.5 10.5 11.0 11.0	18.5 19.0 19.0 15.0 15.0 17.5 17.5 18.0 19.5	MAY 16.5 18.0 14.5 13.0 13.5 15.5 16.0 17.0	17.5 18.5 17.0 14.0 14.0 15.0 16.5 17.0 16.5 18.0
1 2 3 4 5 6 7 8 9 10 11 12 13 14		FEBRUARY		7.0 9.0 10.0 10.0 9.5 10.5 10.5 10.5 7.5 8.5 7.5	MARCH 5.5 7.0 8.0 9.0 9.0 9.5 9.0 8.5 7.5 6.5 5.5 7.0 5.5	6.5 8.0 9.5 9.5 9.5 10.0 9.5 9.0 8.0 7.0 7.5 6.0	10.5 10.5 9.5 9.0 8.0 9.0 12.0 12.5 12.5 10.0	9.5 9.5 9.5 7.0 5.5 6.0 8.5 10.0 10.5	10.0 10.0 9.0 8.5 7.0 7.5 10.5 11.0 11.5 11.0 9.5 9.0	18.5 19.0 19.0 15.0 15.0 16.5 17.5 18.0 19.5 21.0 22.0 22.5 22.5	MAY 16.5 18.0 14.5 13.0 13.5 15.5 16.0 17.0 18.5 19.5 20.5	17.5 18.5 17.0 14.0 14.0 15.0 16.5 17.0 16.5 18.0 19.5 21.0 21.5
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15		FEBRUARY		7.0 9.0 10.0 10.0 9.5 10.5 10.5 7.5 8.0 8.5 7.0 6.5 9.0	MARCH 5.5 7.0 8.0 9.0 9.0 9.5 9.0 8.5 7.5 6.5 5.5 7.0 6.0	6.5 8.0 9.0 9.5 9.5 9.5 9.0 8.0 7.0 7.5 6.5 6.0	10.5 10.5 9.5 9.0 8.0 9.0 12.0 12.5 12.5 10.0 10.0 10.5 12.5	9.5 9.5 8.5 7.0 5.5 6.0 8.5 10.5 10.0 10.5	10.0 10.0 9.0 8.5 7.0 7.5 11.0 11.5 11.0 9.5 9.0 10.5	18.5 19.0 19.0 15.0 15.0 16.5 17.5 17.5 18.0 19.5 21.0 22.0 22.5 22.5 23.0	MAY 16.5 18.0 14.5 13.0 13.5 15.5 16.0 17.0 18.5 19.5 20.5 21.0	17.5 18.5 17.0 14.0 14.0 15.0 16.5 17.0 16.5 12.0 21.5 21.5 22.0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15		FEBRUARY		7.0 9.0 10.0 10.0 9.5 10.5 10.5 10.0 8.5 7.5 8.0 8.5 7.0 6.5 9.0	MARCH 5.5 7.0 8.0 9.0 9.0 9.5 9.0 8.5 7.5 6.5 5.5 7.0 5.5 6.0 4.5 4.0	6.5 8.0 9.5 9.5 9.5 9.5 9.0 9.5 9.0 7.0 7.5 6.5 6.5 7.5	10.5 10.5 9.5 9.0 8.0 9.0 12.0 12.5 12.5 10.0 10.5 12.5	9.5 9.5 8.5 7.0 5.5 6.0 8.5 10.5 10.0 9.5 8.5	10.0 10.0 9.0 8.5 7.0 7.5 10.5 11.0 11.5 9.5 9.0 10.5 11.0	18.5 19.0 19.0 15.0 15.0 16.5 17.5 18.0 19.5 21.0 22.5 22.5 23.0	MAY 16.5 18.0 14.5 13.0 13.5 15.5 16.0 17.0 18.5 19.5 20.5 21.0 21.0 20.5	17.5 18.5 17.0 14.0 14.0 15.0 16.5 17.0 16.5 18.0 19.5 21.0 21.5 22.0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15		FEBRUARY		7.0 9.0 10.0 10.0 9.5 10.5 10.5 10.0 8.5 7.5 8.0 6.5 9.0 8.5 7.0 6.5 9.0	MARCH 5.5 7.0 8.0 9.0 9.0 9.5 9.0 8.5 7.5 6.5 5.5 7.0 6.0 4.5 4.0 5.0	6.5 8.0 9.5 9.5 9.5 9.0 9.5 9.0 7.0 7.5 6.5 6.5 4.5 6.0	10.5 10.5 9.5 9.0 8.0 9.0 12.0 12.5 12.5 10.0 10.0 10.5 12.5	9.5 9.5 8.5 7.0 5.5 6.0 8.5 10.5 10.0 9.5 8.5 10.0 9.5	10.0 10.0 9.0 8.5 7.0 7.5 11.0 11.5 11.0 9.5 9.0 10.5 11.0	18.5 19.0 19.0 15.0 15.0 16.5 17.5 17.5 18.0 19.5 21.0 22.0 22.5 22.5 23.0	MAY 16.5 18.0 14.5 13.0 13.5 15.5 16.0 17.0 18.5 19.5 20.5 21.0 21.0 20.5 20.5	17.5 18.5 17.0 14.0 14.0 15.0 16.5 17.0 16.5 12.0 21.5 22.0 22.0 21.5 21.5
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15		FEBRUARY		7.0 9.0 10.0 10.0 9.5 10.5 10.5 10.0 8.5 7.5 8.0 8.5 7.0 6.5 9.0	MARCH 5.5 7.0 8.0 9.0 9.0 9.5 9.0 8.5 7.5 6.5 5.5 7.0 5.5 6.0 4.5 4.0	6.5 8.0 9.5 9.5 9.5 9.5 9.0 9.5 9.0 7.0 7.5 6.5 6.5 7.5	10.5 10.5 9.5 9.0 8.0 9.0 12.0 12.5 12.5 10.0 10.5 12.5	9.5 9.5 8.5 7.0 5.5 6.0 8.5 10.5 10.0 9.5 8.5	10.0 10.0 9.0 8.5 7.0 7.5 10.5 11.0 11.5 9.5 9.0 10.5 11.0	18.5 19.0 19.0 15.0 15.0 16.5 17.5 18.0 19.5 21.0 22.5 22.5 23.0	MAY 16.5 18.0 14.5 13.0 13.5 15.5 16.0 17.0 18.5 19.5 20.5 21.0 21.0 20.5	17.5 18.5 17.0 14.0 14.0 15.0 16.5 17.0 16.5 18.0 19.5 21.0 21.5 22.0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20		FEBRUARY		7.0 9.0 10.0 10.0 9.5 10.5 10.5 7.5 8.0 8.5 7.5 7.5 9.0 8.5 7.0 6.5 9.0	MARCH 5.5 7.0 8.0 9.0 9.0 9.5 9.0 8.5 7.5 6.5 5.5 7.0 6.0 4.5 4.0 5.5 5.0 8.0	6.5 8.0 9.5 9.5 10.0 9.5 9.0 8.0 7.5 6.0 7.5 6.5 6.5 8.5	10.5 10.5 9.5 9.0 8.0 12.0 12.5 12.5 12.5 10.0 10.5 12.5 13.0 15.0 17.0 18.5	9.5 9.5 9.5 7.0 5.5 6.0 8.5 10.0 10.5 10.0 9.5 8.5 10.0 9.5 11.0 14.0 14.0 14.0 15.5 17.0	10.0 10.0 9.0 8.5 7.0 7.5 11.0 11.5 11.0 9.5 9.0 10.5 11.0	18.5 19.0 19.0 15.0 15.0 16.5 17.5 18.0 19.5 21.0 22.0 22.5 23.0 22.5 22.5 23.0	MAY 16.5 18.0 14.5 13.0 13.5 15.5 16.0 17.0 18.5 19.5 20.5 21.0 21.0 20.5 19.5 19.0	17.5 18.5 17.0 14.0 14.0 15.0 16.5 17.0 16.5 121.0 21.5 22.0 21.5 22.0 21.5 21.0 21.5 21.0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23		FEBRUARY		7.0 9.0 10.0 10.0 9.5 10.5 10.5 10.0 8.5 7.5 8.0 6.5 9.0 7.0 8.5 7.0 6.5 9.0	MARCH 5.5 7.0 8.0 9.0 9.0 9.5 9.0 8.5 7.5 6.5 5.5 7.0 5.5 5.0 6.0 4.5 8.0 6.0 4.5	6.5 8.0 9.5 9.5 9.5 9.0 9.5 9.0 7.0 7.5 6.5 6.5 6.5 6.5 7.0 6.5	10.5 10.5 9.5 9.0 8.0 9.0 12.0 12.5 12.5 10.0 10.0 10.5 12.5	9.5 9.5 8.5 7.0 5.5 6.0 8.5 10.5 10.0 9.5 8.5 10.0 9.5 10.0 9.5	10.0 10.0 9.0 8.5 7.0 7.5 10.5 11.0 9.5 9.0 10.5 11.0 11.5 11.0 11.5 11.0 11.5	18.5 19.0 19.0 15.0 15.0 16.5 17.5 18.0 19.5 21.0 22.0 22.5 23.0 22.5 23.0 22.5 23.0	MAY 16.5 18.0 14.5 13.0 13.5 15.5 16.0 17.0 18.5 19.5 20.5 20.5 21.0 21.0 21.0 21.0	17.5 18.5 17.0 14.0 14.0 15.0 16.5 17.0 16.5 12.0 21.5 22.0 22.0 22.0 20.5 19.5
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24		FEBRUARY		7.0 9.0 10.0 10.0 9.5 10.5 10.5 7.5 8.0 8.5 7.5 7.5 9.0 8.5 7.0 6.5 9.0 7.0 8.0 7.0 8.0	MARCH 5.5 7.0 8.0 9.0 9.0 9.5 9.0 8.5 7.5 6.5 5.5 7.0 6.0 4.5 5.0 6.0 8.0 6.0 4.5 5.5	6.5 8.0 9.5 9.5 10.0 9.5 9.0 8.0 7.5 6.0 7.5 6.5 6.5 8.0 6.5 6.5 7.0 6.0 7.0	10.5 10.5 9.5 9.0 8.0 12.0 12.5 12.5 12.5 12.5 10.0 10.5 12.5 12.5 13.0 15.0 17.0 18.5 19.0	9.5 9.5 9.5 7.0 5.5 6.0 8.5 10.0 10.5 10.0 9.5 10.0 9.5 11.0 14.0 15.5 17.0	10.0 10.0 9.0 8.5 7.0 7.5 11.0 11.5 11.0 9.5 9.0 10.5 11.0 11.5 13.0 15.5 17.5 17.5 17.5 18.5 17.5	18.5 19.0 19.0 15.0 15.0 16.5 17.5 18.0 19.5 21.0 22.5 22.5 23.0 22.5 22.5 22.0 21.5 20.0	MAY 16.5 18.0 14.5 13.0 13.5 15.5 16.0 17.0 18.5 19.5 20.5 21.0 21.0 20.5 19.5 19.0 19.0 19.0 22.5	17.5 18.5 17.0 14.0 14.0 15.0 16.5 17.0 16.5 21.0 21.5 22.0 21.5 22.0 21.5 22.0 21.5 22.0 23.5
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25		FEBRUARY		7.0 9.0 10.0 10.0 9.5 10.5 10.5 10.0 8.5 7.5 8.0 8.5 7.0 6.5 9.0 7.0 8.0 7.0 8.0 8.0 7.0 8.0 7.0 8.0 7.0 8.0 7.0 8.0 7.0 8.0 7.0 7.0 8.0 7.0 8.0 7.0 7.0 8.0 7.0 8.0 7.0 7.0 8.0 7.0 8.0 7.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8	MARCH 5.5 7.0 8.0 9.0 9.0 9.5 9.0 8.5 7.5 6.5 5.5 7.0 5.5 5.0 6.0 4.5 4.0 5.5 5.0 6.0 4.5 5.5 8.0	6.5 8.0 9.5 9.5 9.5 9.0 9.5 9.0 7.0 7.5 6.5 6.5 6.5 6.5 7.0 9.0	10.5 10.5 9.5 9.0 8.0 12.0 12.0 12.5 12.5 10.0 10.0 10.5 12.5 13.0 15.0 17.0 18.5 19.0 19.0 19.0 18.0	9.5 9.5 8.5 7.0 5.5 6.0 8.5 10.5 10.0 9.5 8.5 10.0 9.5 11.0 14.0 15.5 17.5 16.5 17.5	10.0 10.0 9.0 8.5 7.0 7.5 10.5 11.0 9.5 9.0 10.5 11.0 11.5 11.0 15.5 17.0 18.5 17.5 17.5 18.5	18.5 19.0 19.0 15.0 15.0 16.5 17.5 18.0 19.5 21.0 22.5 22.5 23.0 22.5 22.0 22.5 22.0 22.5 22.0 22.5 22.0 22.5 22.0	MAY 16.5 18.0 14.5 13.0 13.5 15.5 16.0 17.0 18.5 19.5 20.5 21.0 21.0 21.0 22.5 20.5 19.0	17.5 18.5 17.0 14.0 14.0 15.0 16.5 17.0 16.5 12.0 21.5 21.0 21.5 21.0 20.5 21.0 20.5 21.0 20.5 21.0 20.5 21.0 20.5 21.0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 25 26 27		FEBRUARY	 4.0	7.0 9.0 10.0 10.0 9.5 10.5 10.5 10.5 7.5 8.0 8.5 7.5 9.0 8.5 9.0 8.5 9.0 9.0 8.0 7.0 9.5	MARCH 5.5 7.0 8.0 9.0 9.0 9.5 9.0 8.5 7.5 6.5 5.5 7.0 5.5 5.0 6.0 4.5 4.0 5.5 5.5 9.5 12.0	6.5 8.0 9.5 9.5 10.0 9.5 9.5 9.5 9.5 7.0 7.5 6.0 7.5 6.0 7.5 6.0 7.0 6.0 7.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9	10.5 10.5 9.5 9.0 8.0 9.0 12.0 12.5 12.5 12.5 10.0 10.5 12.5 13.0 15.0 17.0 18.5 19.0 19.0 18.5 19.0	9.5 9.5 8.5 7.0 5.5 6.0 8.5 10.0 10.5 10.0 9.5 10.0 9.5 11.0 14.0 15.5 17.0	10.0 10.0 9.0 8.5 7.0 7.5 10.5 11.0 11.5 11.0 9.5 9.0 10.5 11.0 11.5 13.0 15.5 17.0 18.5 17.5 18.5 17.5 18.5 17.0	18.5 19.0 19.0 15.0 15.0 16.5 17.5 18.0 19.5 21.0 22.5 22.5 23.0 22.5 22.5 22.0 22.0 21.5 20.0 21.5 22.0 21.5 22.0 22.0 21.5 22.0 22.0 22.0 22.0 22.0 22.0 22.0 22	MAY 16.5 18.0 14.5 13.0 13.5 15.5 16.0 17.0 18.5 19.5 20.5 21.0 21.0 20.5 21.0 19.0 19.0 21.0 22.5 22.5	17.5 18.5 17.0 14.0 14.0 15.0 16.5 17.0 16.5 18.0 19.5 21.0 21.5 22.0 21.5 22.0 20.5 19.5 22.0 23.5 22.0 23.5 22.0 23.5 22.0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26		FEBRUARY		7.0 9.0 10.0 10.0 9.5 10.5 10.5 7.5 8.0 8.5 7.5 7.0 6.5 9.0 8.5 5.0 7.0 8.0 8.0 7.0 8.0 8.0	MARCH 5.5 7.0 8.0 9.0 9.0 9.5 9.0 8.5 7.5 6.5 5.5 7.0 6.0 4.5 5.0 6.0 4.5 5.5 8.5 9.5	6.5 8.0 9.5 9.5 9.5 9.0 9.5 9.0 7.0 7.5 6.0 7.5 6.5 6.5 7.0 6.5 6.5 7.0 9.0	10.5 10.5 9.5 9.0 8.0 12.0 12.5 12.5 12.5 12.5 10.0 10.5 12.5 13.0 17.0 18.5 19.0 19.0 19.0 19.0	9.5 9.5 9.5 7.0 5.5 6.0 8.5 10.0 10.5 10.0 9.5 10.0 9.5 11.0 14.0 15.5 17.0	10.0 10.0 9.0 8.5 7.0 7.5 10.5 11.0 11.5 11.0 9.5 9.0 10.5 11.0 11.5 13.0 15.5 17.0 18.5 17.5 17.5 17.5 17.0 16.0	18.5 19.0 19.0 15.0 15.0 16.5 17.5 17.5 18.0 19.5 21.0 22.5 22.5 23.0 22.5 22.5 23.0 21.5 20.0 21.5 20.0 21.5 22.0 21.5 22.0 22.5 22.0 22.5 22.0 22.5 22.0 22.5 22.0 22.0	MAY 16.5 18.0 14.5 13.0 13.5 15.5 16.0 17.0 18.5 19.5 20.5 20.5 21.0 21.0 20.5 19.5 19.0 19.0 19.0 22.5 22.5 21.5	17.5 18.5 17.0 14.0 14.0 15.0 16.5 17.0 16.5 21.0 21.5 21.5 22.0 21.5 22.0 21.5 22.0 21.5 22.0 21.5 22.0 21.5 22.0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 27 28 29 30	 5.0	FEBRUARY	 4.0 4.0 5.0 5.5	7.0 9.0 10.0 10.0 9.5 10.5 10.5 10.5 7.5 8.0 8.5 7.5 9.0 8.5 9.0 8.5 9.0 8.0 7.0 8.0 7.0 8.5 10.5 9.0	MARCH 5.5 7.0 8.0 9.0 9.0 9.5 9.0 8.5 7.5 6.5 5.5 7.0 6.0 4.5 4.0 5.5 5.0 6.0 4.5 4.0 5.5 5.1 6.0 8.0 6.0 4.5 8.5 9.5 12.0 12.0 11.5	6.5 8.0 9.5 9.5 9.5 9.5 9.5 9.0 7.0 7.5 6.0 7.5 6.0 7.5 6.0 7.5 6.0 7.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9	10.5 10.5 9.5 9.0 8.0 9.0 12.0 12.5 12.5 12.5 10.0 10.5 12.5 13.0 15.0 17.0 18.5 19.0 19.0 18.0 17.5	9.5 9.5 7.0 5.5 6.0 8.5 10.0 10.5 10.0 9.5 10.0 9.5 11.0 14.0 15.5 17.0 16.5 17.0 16.5 17.0	10.0 10.0 9.0 8.5 7.0 7.5 10.5 11.0 11.5 11.0 9.5 9.0 10.5 11.0 11.5 13.0 15.5 17.0 18.5 17.5 18.5 17.5 18.5 17.0 18.5	18.5 19.0 19.0 15.0 15.0 16.5 17.5 18.0 19.5 21.0 22.5 22.5 23.0 22.5 22.5 23.0 22.5 22.5 22.5 22.0 22.0 21.5 24.5 24.0 23.5 24.5 24.0 22.0 23.5 24.5 24.0 22.0 23.5 24.5 24.0 25.0 26.0 27.0 27.0 27.0 27.0 27.0 27.0 27.0 27	MAY 16.5 18.0 14.5 13.0 13.5 15.5 16.0 17.0 18.5 19.5 20.5 21.0 21.0 20.5 21.0 19.0 19.0 21.0 22.5 22.5 21.0	17.5 18.5 17.0 14.0 14.0 15.0 16.5 17.0 16.5 18.0 19.5 21.0 21.5 22.0 21.5 22.0 21.5 22.0 21.5 22.0 21.5 22.0 21.5 22.0 21.5 22.0 21.5 22.0 23.5 22.0 21.5 22.0 23.5
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29	 5.0 4.5 5.0 6.0	FEBRUARY	 4.0 4.0 5.5	7.0 9.0 10.0 10.0 9.5 10.5 10.5 7.5 8.0 8.5 7.5 7.0 6.5 9.0 8.5 5.0 7.0 8.0 8.0 9.0 8.0 9.5	MARCH 5.5 7.0 8.0 9.0 9.0 9.5 9.0 8.5 7.5 6.5 5.5 7.0 6.0 4.5 5.0 6.0 4.5 5.5 8.0 6.0 4.5 5.5 8.5 9.5 12.0 11.5	6.5 8.0 9.5 9.5 9.5 9.0 7.0 7.5 6.0 7.5 6.5 6.5 8.5 7.0 9.0 8.0 7.5 6.5 6.5 8.5 7.0 9.5 6.5 6.5 8.5 7.0 9.5	10.5 10.5 9.5 9.0 8.0 12.0 12.5 12.5 12.5 12.5 12.5 13.0 15.0 17.0 18.5 19.0 19.0 19.0 17.5	9.5 9.5 9.5 7.0 5.5 6.0 8.5 10.0 10.5 10.0 9.5 10.0 9.5 11.0 14.0 15.5 17.0 16.5 17.0 16.5 17.0	10.0 10.0 9.0 8.5 7.0 7.5 10.5 11.0 11.5 11.0 9.5 9.0 10.5 11.0 11.5 17.5 17.0 18.5 17.5 17.5 17.5 18.5 17.5 17.0 16.0	18.5 19.0 19.0 15.0 15.0 16.5 17.5 18.0 19.5 21.0 22.5 22.5 23.0 22.5 22.5 22.0 21.5 20.0 21.5 22.0 21.5 22.0 22.0 22.5 22.0 22.5 22.0 22.0	MAY 16.5 18.0 14.5 13.0 13.5 15.5 16.0 17.0 18.5 19.5 20.5 21.0 21.0 20.5 19.5 19.0 19.0 19.0 22.5 22.5 21.0	17.5 18.5 17.0 14.0 14.0 15.0 16.5 17.0 16.5 18.0 19.5 21.0 21.5 22.0 21.5 22.0 21.5 22.0 21.5 22.0 21.5 21.0 20.5 19.5

01481000 BRANDYWINE CREEK AT CHADDS FORD, PA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1 2 3 4 5	20.0 21.0 21.5 21.0 20.5	17.5 19.0 19.5 20.0 17.5	18.5 20.0 20.5 20.5 19.0	22.0 23.5 24.0 24.0 25.5	20.5 21.0 22.0 22.0 23.0	21.5 22.5 23.0 23.0 24.0	25.0 24.5 25.5 25.5 25.0	23.0 22.5 23.5 23.5 22.5	24.0 23.5 24.5 24.5 23.5	22.5 22.0 22.0 22.0 21.5	21.0 20.5 20.5 20.5 20.0	22.0 21.5 21.5 21.5 21.0
6 7 8 9 10	17.5 20.0 22.0 23.5 23.5	16.5 17.0 19.0 21.0 22.5	17.0 18.0 20.5 22.0 23.0	25.5 25.5 25.0 24.0 24.0	23.5 23.0 23.0 22.5 21.5	24.5 24.0 24.0 23.5 23.0	22.5 20.5 20.0 21.5 22.5	20.5 19.0 18.0 19.0 20.5	21.5 19.5 19.0 20.5 21.5	20.5 21.5 21.5 22.5 22.5	19.0 19.5 21.0 21.5 21.0	20.0 20.5 21.5 22.0 22.0
11 12 13 14 15	23.0 21.0 	20.0 18.5 	21.5 20.0 	24.5 24.0 22.0 22.0 21.5	22.0 21.0 20.5 21.0 20.5	23.5 22.5 21.0 21.5 21.0	23.5 22.5 21.5 21.5 22.0	21.5 21.5 21.0 20.5 20.5	22.5 22.0 21.5 21.0 21.0	22.0 21.0 21.5 21.0 20.0	20.5 19.5 19.5 20.0 19.5	21.5 20.5 20.5 20.5 19.5
16 17 18 19 20	 	 	 	21.5 22.5 22.5 21.0 23.0	20.0 20.5 20.5 19.5 20.0	21.0 21.5 21.5 20.0 21.5	22.5 22.0 22.0 22.5 23.5	20.5 20.5 20.5 21.0 21.5	21.5 21.5 21.5 21.5 22.5	20.5 20.5 21.0 18.0 17.5	19.5 19.5 18.0 17.0 15.5	20.0 20.0 20.0 17.5 16.5
21 22 23 24 25	 22.0	 21.0	 21.5	24.0 24.0 24.0 23.0 22.5	21.5 22.5 23.0 22.5 21.0	22.5 23.5 23.5 22.5 21.5	23.5 22.0 21.0 21.5 22.0	21.5 20.0 19.5 20.0 20.5	23.0 21.0 20.5 21.0 21.0	17.5 18.5 19.5 20.0 19.5	15.5 16.5 17.5 18.5 18.5	16.5 17.5 18.5 19.5 19.0
26 27 28 29 30 31	22.0 21.5 21.0 22.0 22.0	20.5 19.5 19.5 20.0 19.5	21.0 20.5 20.5 21.0 21.0	22.5 22.5 22.5 23.5 24.5 25.5	20.0 22.0 21.5 21.5 22.0 23.5	21.5 22.0 22.0 22.5 23.0 24.5	22.0 23.0 24.5 24.5 24.0 23.0	20.5 21.5 22.0 23.0 23.0 22.0	21.5 22.0 23.0 24.0 23.5 22.5	19.0 19.0 20.0 19.5 18.5	18.0 17.5 19.0 18.5 17.5	18.5 18.5 19.5 19.0 18.0
MONTH	23.5	16.5	20.3	25.5	19.5	22.5	25.5	18.0	22.0	22.5	15.5	19.8

OXYGEN, DISSOLVED (MG/L), WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER		NOVEMBER			DECEMBER			JANUARY			
1	10.2	9.6	9.9	10.7	9.9	10.4						
2	10.4	9.9	10.1	10.6	10.1	10.4						
3	10.9	10.2	10.6	10.4	8.7	10.0						
4	11.0	10.4	10.6	10.7	9.9	10.4						
5	11.0	10.3	10.6	9.9	8.4	9.7						
6	11.3	10.4	10.8	9.6	7.2	8.0						
7	11.7	10.4	11.0	8.8	7.1	8.2						
8	11.4	10.2	10.7	9.7	8.5	9.1						
9	11.4	9.7	10.5	10.8	9.7	10.3						
10	11.4	9.4	10.2	11.3	10.8	11.0						
11	11.4	9.3	10.2	11.2	10.5	10.9						
12	11.3	9.1	10.0	10.5	9.3	9.7						
13	10.9	9.0	9.9	10.3	9.5	9.8						
14	11.0	9.1	9.9	11.3	10.2	10.8						
15	9.6	7.2	8.8	11.2	10.5	10.7						
16	9.7	9.0	9.3	11.0	10.3	10.7						
17	9.9	9.4	9.6									
18	10.2	9.6	9.9									
19	10.3	9.7	10									
20	11.0	9.8	10.3									
21	10.6	9.9	10.3									
22	10.1	9.4	9.8									
23	11.1	9.9	10.5									
24	11.7	10.8	11.2									
25	11.8	11.0	11.3	11.2	10.2	10.7						
26	11.0	9.6	10.4	11.0	10.2	10.7						
27												
28												
29	10.1	9.6	9.8									
30	10.7	10.1	10.5									
31	10.9	10.2	10.7									
MONTH	11.8	7.2	10.3	11.3	7.1	10.1						

01481000 BRANDYWINE CREEK AT CHADDS FORD, PA--Continued

OXYGEN, DISSOLVED (MG/L), WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY	•		MARCH			APRIL			MAY	
1 2				14.4 13.9	13.0 12.6	13.7 13.3				9.6 9.1	8.4 7.9	8.9 8.5
3				14.2	12.0	13.1				9.6	8.1	8.7
4 5				13.8 13.5	11.5 11.8	12.7 12.6				10.8 11.0	9.6 9.9	10.1 10.4
6 7				12.7 13.5	11.2 11.7	11.8 12.6				11.0 10.5	10.0 9.5	10.4
8				13.6	12.1	12.8	11.7	10.3	11.0	10.9	9.3	10.0
9 10				14.9 15.1	12.7 13.7	13.7 14.4	12.0 12.4	10.7 10.6	11.3 11.4	11.1 9.8	9.7 8.5	10.3 8.9
11				14.8	13.8	14.4	11.6	10.4	11.0	8.8	8.2	8.5
12				14.3	13.1	13.8	12.6	11.0	11.7	9.0	8.1	8.5
13 14				15.0 15.3	13.7 13.9	14.4 14.6	11.8 10.9	10.9 10.5	11.4 10.7	8.9 9.0	7.8 7.2	8.3 8.3
15				14.6	13.4	14.0	11.7	10.7	11.1	8.9	7.5	8.2
16				14.3	12.5	13.4	11.6	10.6	11.1	8.6	7.4	8.0
17 18				15.3 14.7	14.2 13.8	14.8 14.4	11.4 11.1	10.1 9.4	10.7 10.1	8.8 8.8	7.4 7.4	8.1 8.1
19				14.2	13.1	13.7	10.7	8.8	9.6	8.1	7.4	7.7
20				14.3	13.0	13.7	10.5	8.1	9.2	7.9	7.4	7.7
21 22				13.0 13.7	12.1 12.3	12.6 13.0	10.6 10.8	8.1 8.3	9.3 9.4	8.7 8.8	7.7 7.9	8.0 8.4
23							10.4	7.9	9.0	8.5	7.5	7.9
24 25	14.1	12.9	13.5				9.6 10.4	8.3 8.4	8.8 9.3	8.6 9.1	7.1 7.0	7.7 7.9
26	14.8	13.4	14.0				9.7	9.2	9.5	8.9	7.4	8.0
27 28	14.6 14.6	13.6 13.5	14.1 14.0				9.4 10.3	8.6 8.7	9.0 9.5	9.4 9.5	7.9 7.8	8.6 8.6
29	14.5	13.3	13.9				10.4	9.4	9.9	10.3	8.0	9.1
30 31							9.6	8.8	9.2	10.8 9.5	8.5 8.6	9.5 9.1
MONTH	14.8	12.9	13.9	15.3	11.2	13.5	12.6	7.9	10.1	11.1	7.0	8.7
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
DAY	MAX	MIN JUNE	MEAN	MAX	MIN JULY	MEAN	MAX	MIN AUGUST	MEAN		MIN SEPTEMBE	
1	10.5	JUNE 8.7	9.5	11.1	JULY 7.9	9.4	7.8	AUGUST	7.4	7.8	SEPTEMB 7.0	TR 7.3
		JUNE			JULY			AUGUST			SEPTEMBE	IR.
1 2 3 4	10.5 10.8 10.8	JUNE 8.7 8.4 8.3 8.2	9.5 9.5 9.4 9.5	11.1 11.4 11.4 10.9	7.9 7.6 7.1 7.0	9.4 9.3 9.1 8.9	7.8 7.9 8.0 8.4	7.1 7.6 7.5 7.4	7.4 7.8 7.7 7.8	7.8 8.3 8.5 8.6	7.0 7.1 7.4 7.4	7.3 7.7 7.8 7.9
1 2 3 4 5	10.5 10.8 10.8 11.0 9.4	8.7 8.4 8.3 8.2 8.2	9.5 9.5 9.4 9.5 8.7	11.1 11.4 11.4 10.9 9.9	7.9 7.6 7.1 7.0 6.6	9.4 9.3 9.1 8.9 8.1	7.8 7.9 8.0 8.4 8.4	7.1 7.6 7.5 7.4 7.6	7.4 7.8 7.7 7.8 8.0	7.8 8.3 8.5 8.6 8.1	7.0 7.1 7.4 7.4 7.4	7.3 7.7 7.8 7.9 7.8
1 2 3 4 5	10.5 10.8 10.8 11.0 9.4 9.1 8.6	3.7 8.4 8.3 8.2 8.2 8.5 7.5	9.5 9.5 9.4 9.5 8.7 8.9 8.2	11.1 11.4 11.4 10.9 9.9	7.9 7.6 7.1 7.0 6.6	9.4 9.3 9.1 8.9 8.1 7.7 7.3	7.8 7.9 8.0 8.4 8.4 9.1	7.1 7.6 7.5 7.4 7.6 8.0 8.5	7.4 7.8 7.7 7.8 8.0 8.6 9.1	7.8 8.3 8.5 8.6	7.0 7.1 7.4 7.4 7.4 7.7	7.3 7.7 7.8 7.9 7.8
1 2 3 4 5	10.5 10.8 10.8 11.0 9.4 9.1 8.6 8.1	8.7 8.4 8.3 8.2 8.2 7.5	9.5 9.5 9.4 9.5 8.7 8.9 8.2 7.5	11.1 11.4 11.9 9.9 9.4 9.2 8.2	7.9 7.6 7.1 7.0 6.6 6.3 6.2 6.2	9.4 9.3 9.1 8.9 8.1 7.7 7.3 7.0	7.8 7.9 8.0 8.4 8.4 9.1 9.7	7.1 7.6 7.5 7.4 7.6 8.0 8.5 9.0	7.4 7.8 7.7 7.8 8.0 8.6 9.1 9.4	7.8 8.3 8.5 8.6 8.1 8.9 8.8	7.0 7.1 7.4 7.4 7.4 7.4 7.4	7.3 7.7 7.8 7.9 7.8 8.2 8.2 7.8
1 2 3 4 5	10.5 10.8 10.8 11.0 9.4 9.1 8.6	3.7 8.4 8.3 8.2 8.2 8.5 7.5	9.5 9.5 9.4 9.5 8.7 8.9 8.2	11.1 11.4 11.4 10.9 9.9	7.9 7.6 7.1 7.0 6.6	9.4 9.3 9.1 8.9 8.1 7.7 7.3	7.8 7.9 8.0 8.4 8.4 9.1	7.1 7.6 7.5 7.4 7.6 8.0 8.5	7.4 7.8 7.7 7.8 8.0 8.6 9.1	7.8 8.3 8.5 8.6 8.1	7.0 7.1 7.4 7.4 7.4 7.7	7.3 7.7 7.8 7.9 7.8
1 2 3 4 5 6 7 8 9 10	10.5 10.8 10.8 11.0 9.4 9.1 8.6 8.1 8.1 7.9	### 3 ### 3	9.5 9.5 9.4 9.5 8.7 8.9 8.2 7.5 7.3 7.1	11.1 11.4 11.9 9.9 9.4 9.2 8.2 8.0 8.5	7.9 7.6 7.1 7.0 6.6 6.3 6.2 6.0 6.6 7.1	9.4 9.3 9.1 8.9 8.1 7.7 7.3 7.0 6.9 7.4	7.8 7.9 8.0 8.4 8.4 9.1 9.7 10.0 10.0	7.1 7.6 7.5 7.4 7.6 8.0 8.5 9.0 8.6 8.2	7.4 7.8 7.7 7.8 8.0 8.6 9.1 9.4 9.2 9.0	7.8 8.3 8.5 8.6 8.1 8.9 8.8 8.2 8.0 8.4	7.0 7.1 7.4 7.4 7.4 7.4 7.8 7.7 7.4 7.2 7.2	7.3 7.7 7.8 7.9 7.8 8.2 8.2 7.5 7.7
1 2 3 4 5 6 7 8 9 10	10.5 10.8 11.0 9.4 9.1 8.6 8.1 7.9 8.0 8.9	### STATE ### S	9.5 9.5 9.4 9.5 8.7 8.9 8.2 7.3 7.1	11.1 11.4 11.4 10.9 9.9 9.4 9.2 8.2 8.6 7.5	7.9 7.6 7.1 7.0 6.6 6.3 6.2 6.2 6.7 7.1 7.0	9.4 9.3 9.1 8.9 8.1 7.7 7.3 7.0 6.9 7.4	7.8 7.9 8.0 8.4 8.4 9.1 9.7 10.0 10.0 10.1	7.1 7.6 7.5 7.4 7.6 8.0 8.5 9.0 8.6 8.2	7.4 7.8 7.7 7.8 8.0 8.6 9.1 9.4 9.2 9.0	7.8 8.3 8.5 8.6 8.1 8.9 8.8 8.2 8.0 8.4	7.0 7.1 7.4 7.4 7.4 7.5 7.7 7.4 7.2 7.2	7.3 7.7 7.8 7.9 7.8 8.2 8.2 7.8 7.5 7.7
1 2 3 4 5 6 7 8 9 10 11 12 13 14	10.5 10.8 10.8 11.0 9.4 9.1 8.6 8.1 7.9 8.0 8.9	### STATE ### ST	9.5 9.5 9.4 9.5 8.7 8.9 8.2 7.5 7.3 7.1	11.1 11.4 11.9 9.9 9.4 9.2 8.2 8.0 8.5	7.9 7.6 7.1 7.0 6.6 6.3 6.2 6.0 6.6 7.1 7.0 7.2 7.5	9.4 9.3 9.1 8.9 8.1 7.3 7.0 6.9 7.4 7.2 7.6 7.6	7.8 7.9 8.0 8.4 8.4 9.1 9.7 10.0 10.0 10.1	7.1 7.6 7.5 7.4 7.6 8.0 8.5 9.0 8.6 8.2 7.7 7.4 6.9	7.4 7.8 7.7 7.8 8.0 8.6 9.1 9.2 9.0 8.7 8.1 7.4	7.8 8.3 8.5 8.6 8.1 8.9 8.8 8.2 8.0 8.4 8.7 9.0 9.0	7.0 7.1 7.4 7.4 7.4 7.7 7.8 7.7 7.4 7.2 7.2 7.2	7.3 7.7 7.8 7.9 7.8 8.2 7.5 7.7 8.0 8.3 8.2
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	10.5 10.8 10.8 11.0 9.4 9.1 8.6 8.1 7.9 8.0 8.9	### 8.7 8.4 8.3 8.2 8.5 7.1 6.6 6.5 6.7 7.8	9.5 9.5 9.4 9.5 8.7 8.9 8.2 7.5 7.1 7.3 8.3	11.1 11.4 11.4 10.9 9.9 9.4 9.2 8.2 8.0 8.5 8.6 7.5 7.9 7.8 8.0	7.9 7.6 7.1 7.0 6.6 6.3 6.2 6.2 6.2 7.1 7.0 7.5 7.5	9.4 9.3 9.1 8.9 8.1 7.7 7.3 7.0 6.9 7.4 7.2 7.6 7.6 7.8	7.8 7.9 8.0 8.4 8.4 9.1 9.7 10.0 10.0 10.1 10.0 9.4 7.6 8.0 8.4	7.1 7.6 7.5 7.4 7.6 8.0 8.5 9.0 8.6 8.2 7.7 7.4 6.9 7.5	7.4 7.8 7.7 7.8 8.0 8.6 9.1 9.4 9.2 9.0 8.7 8.1 7.4 7.7 8.0	7.8 8.3 8.5 8.6 8.1 8.9 8.8 8.2 8.0 8.4 8.7 9.0 9.0 8.6	7.0 7.1 7.4 7.4 7.4 7.4 7.2 7.2 7.2 7.5 7.8 7.8 7.6 7.8	7.3 7.7 7.8 7.9 7.8 8.2 8.2 7.8 7.5 7.7 8.0 8.3 8.2 8.1 8.2
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	10.5 10.8 10.8 11.0 9.4 9.1 8.6 8.1 7.9 8.0 8.9	### STATE ### ST	9.5 9.5 9.4 9.5 8.7 8.9 8.2 7.5 7.3 7.1	11.1 11.4 11.9 9.9 9.4 9.2 8.2 8.0 8.5 8.6 7.5 7.8 8.0	7.9 7.6 7.1 7.0 6.6 6.3 6.2 6.0 6.6 7.1 7.0 7.5 7.5	9.4 9.3 9.1 8.9 8.1 7.7 7.3 7.0 6.9 7.4 7.2 7.6 7.6 7.8	7.8 7.9 8.0 8.4 8.4 9.1 9.7 10.0 10.0 10.1 10.0 9.4 7.6 8.0 8.4	7.1 7.6 7.5 7.4 7.6 8.0 8.5 9.0 8.6 8.2 7.7 7.4 6.9 7.5 7.7	7.4 7.8 7.7 7.8 8.0 8.6 9.1 9.4 9.2 9.0 8.7 8.1 7.4 7.7 8.0	7.8 8.3 8.5 8.6 8.1 8.9 8.8 8.2 8.0 8.4 8.7 9.0 9.0 8.6 8.7	7.0 7.1 7.4 7.4 7.4 7.7 7.4 7.2 7.2 7.2 7.8 7.8 7.7	7.3 7.7 7.8 7.9 7.8 8.2 8.2 7.5 7.7 8.0 8.3 8.1 8.2 8.3
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	10.5 10.8 10.8 11.0 9.4 9.1 8.6 8.1 7.9 8.0 8.9	### STANDERS	9.5 9.5 9.4 9.5 8.7 8.9 8.2 7.5 7.1 7.3 8.3	11.1 11.4 11.4 10.9 9.9 9.4 9.2 8.2 8.0 8.5 8.6 7.5 7.9 7.8 8.0	7.9 7.6 7.1 7.0 6.6 6.3 6.2 6.2 6.2 7.1 7.0 7.2 7.5 7.7 7.4	9.4 9.3 9.1 8.9 8.1 7.7 7.3 7.0 6.9 7.4 7.2 7.6 7.6 7.8 7.9 7.7	7.8 7.9 8.0 8.4 8.4 9.1 9.7 10.0 10.0 10.1 10.0 9.4 7.6 8.0 8.4 8.3 8.3 8.5 9.3	7.1 7.6 7.5 7.4 7.6 8.0 8.5 9.0 8.6 8.2 7.7 7.4 6.9 7.5 7.7	7.4 7.8 7.7 7.8 8.0 8.6 9.1 9.4 9.2 9.0 8.7 8.1 7.4 7.7 8.0	7.8 8.3 8.5 8.6 8.1 8.9 8.8 8.2 8.0 8.4 8.7 9.0 9.0 8.6 8.7	7.0 7.1 7.4 7.4 7.4 7.4 7.2 7.5 7.8 7.8 7.7 7.4 7.2 7.2 7.5 7.8 7.8 7.6 7.8	7.3 7.7 7.8 7.9 7.8 8.2 8.2 7.8 7.5 7.7 8.0 8.3 8.2 8.1 8.2
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	10.5 10.8 10.8 11.0 9.4 9.1 8.6 8.1 7.9 8.0 8.9	### STANDARD ### S	9.5 9.5 9.4 9.5 8.7 8.9 8.2 7.3 7.1 7.3 8.3	11.1 11.4 11.9 9.9 9.4 9.2 8.2 8.6 7.5 7.9 7.8 8.0 8.3	7.9 7.6 7.1 7.0 6.6 6.3 6.2 6.0 6.6 7.1 7.0 7.2 7.5 7.7	9.4 9.3 9.1 8.9 8.1 7.7 7.3 7.0 6.9 7.4 7.2 7.6 7.6 7.8	7.8 7.9 8.0 8.4 8.4 9.1 9.7 10.0 10.1 10.0 9.4 7.6 8.0 8.4	7.1 7.6 7.5 7.4 7.6 8.0 8.5 9.0 8.6 8.2 7.7 7.4 6.9 7.5 7.7	7.4 7.8 7.7 7.8 8.0 8.6 9.1 9.2 9.0 8.7 8.1 7.4 7.7 8.0	7.8 8.3 8.5 8.6 8.1 8.9 8.8 8.2 8.0 8.4 8.7 9.0 9.0 8.6 8.7	7.0 7.1 7.4 7.4 7.4 7.4 7.7 7.2 7.2 7.2 7.2 7.8 7.8 7.8 7.8 7.8 7.8	7.3 7.7 7.8 7.9 7.8 8.2 8.2 7.5 7.7 8.0 8.3 8.2 8.1 8.2
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	10.5 10.8 10.8 11.0 9.4 9.1 8.6 8.1 7.9 8.0 8.9	### STATE ### ST	9.5 9.5 9.4 9.5 8.7 8.9 8.2 7.5 7.3 7.1	11.1 11.4 11.4 10.9 9.9 9.4 9.2 8.2 8.6 7.5 7.9 7.8 8.0 8.2 8.3 8.0 8.2 8.3	7.9 7.6 7.1 7.0 6.6 6.3 6.2 6.2 6.2 7.1 7.0 7.2 7.5 7.7 7.4 7.9 7.6	9.4 9.3 9.1 8.9 8.1 7.7 7.3 7.0 6.9 7.4 7.2 7.6 7.6 7.6 7.8 7.9 7.7 8.1	7.8 7.9 8.0 8.4 8.4 9.1 9.7 10.0 10.1 10.0 9.4 7.6 8.0 8.4 8.3 8.5 9.3 8.7 8.8	7.1 7.6 7.5 7.4 7.6 8.0 8.5 9.0 8.6 8.2 7.7 7.4 6.9 7.5 7.7	7.4 7.8 7.7 7.8 8.0 8.6 9.1 9.4 9.2 9.0 8.7 8.1 7.4 7.7 8.0 7.9 8.0 8.0 8.0	7.8 8.3 8.5 8.6 8.1 8.9 8.8 8.2 8.0 8.4 8.7 9.0 9.0 8.6 8.7 7.7 8.9	7.0 7.1 7.4 7.4 7.4 7.4 7.4 7.2 7.2 7.2 7.5 7.8 7.8 7.8 7.6 4 6.4 8.3	7.3 7.7 7.8 7.9 7.8 8.2 8.2 7.8 7.5 7.7 8.0 8.3 8.2 8.1 8.2
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	10.5 10.8 11.0 9.4 9.1 8.6 8.1 7.9 8.0 8.9	### STANDERS	9.5 9.5 9.5 9.5 8.7 8.9 8.2 7.5 7.3 7.1	11.1 11.4 11.9 9.9 9.4 9.2 8.2 8.6 7.5 7.9 8.0 8.5	7.9 7.6 7.1 7.0 6.6 6.3 6.2 6.0 6.6 7.1 7.0 7.2 7.5 7.7 7.4 7.9 7.6 7.5 7.7	9.4 9.3 9.1 8.9 8.1 7.7 7.3 6.9 7.4 7.7 7.2 7.6 7.8 7.9 7.7 8.0 7.9	7.8 7.9 8.0 8.4 8.4 9.1 9.7 10.0 10.0 10.1 10.0 9.4 7.6 8.0 8.4 8.3 8.5 9.3 8.7 8.8	7.1 7.6 7.5 7.4 7.6 8.0 8.5 9.0 8.6 8.2 7.7 7.4 6.9 7.5 7.4 6.9 7.5 7.4 6.4 7.3	7.4 7.8 7.7 7.8 8.0 8.6 9.1 9.2 9.0 8.7 8.1 7.4 7.7 8.0 7.9 8.0 8.0	7.8 8.3 8.5 8.6 8.1 8.9 8.8 8.2 8.0 8.4 8.7 9.0 9.0 8.6 8.7 7.7 7.7 7.7 8.3 8.9	7.0 7.1 7.4 7.4 7.4 7.4 7.2 7.2 7.2 7.5 7.8 7.8 7.6 7.8 7.6 4 8.3 8.5 8.3	7.3 7.7 7.8 7.9 7.8 8.2 8.2 7.5 7.7 8.0 8.3 8.2 8.1 8.2
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	10.5 10.8 10.8 11.0 9.4 9.1 8.6 8.1 7.9 8.0 8.9 	### 3.4	9.5 9.5 9.4 9.5 8.7 8.9 8.2 7.5 7.3 7.1	11.1 11.4 11.4 10.9 9.9 9.4 9.2 8.0 8.5 8.6 7.5 7.8 8.0 8.2 8.3 8.0 8.2 8.3 8.4 8.4 8.4 8.6 8.8	7.9 7.6 7.1 7.0 6.6 6.3 6.2 6.0 6.6 7.1 7.0 7.5 7.5 7.7 7.7 7.4 7.9 7.6 7.5	9.4 9.3 9.1 8.9 8.1 7.7 7.3 7.0 6.9 7.4 7.7 7.2 7.6 7.6 7.8 7.9 7.7 8.1 8.0	7.8 7.9 8.0 8.4 8.4 9.1 9.7 10.0 10.0 10.1 10.0 9.4 7.6 8.0 8.4 8.3 8.5 9.3 8.7 8.8	7.1 7.6 7.5 7.4 7.6 8.0 8.5 9.0 8.6 8.2 7.7 7.4 6.9 7.5 7.7	7.4 7.8 7.7 7.8 8.0 8.6 9.1 9.4 9.2 9.0 8.7 8.1 7.7 8.0 7.9 8.0 8.0 8.0	7.8 8.3 8.5 8.6 8.1 8.9 8.8 8.2 8.0 8.4 8.7 9.0 8.6 8.7 7.7 8.9	7.0 7.1 7.4 7.4 7.4 7.7 7.4 7.2 7.2 7.2 7.5 7.8 7.6 7.8 7.6 7.8 8.3 8.5 8.3 8.1 7.9	7.3 7.7 7.8 7.9 7.8 8.2 8.2 7.5 7.7 8.0 8.3 8.1 8.2 8.3 8.1 7.7
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	10.5 10.8 10.8 11.0 9.4 9.1 8.6 8.1 7.9 8.0 8.9 	## STANDER 1.00 1.	9.5 9.5 9.5 9.5 8.7 8.9 8.2 7.5 7.1 7.3 8.3	11.1 11.4 11.4 10.9 9.9 9.4 9.2 8.2 8.6 7.5 7.9 7.8 8.0 8.3 8.0 8.3 8.4 8.4	7.9 7.6 7.1 7.0 6.6 6.3 6.2 6.2 6.0 6.6 7.1 7.0 7.5 7.7 7.4 7.9 7.6 7.5 7.7 7.4 7.9 7.6	9.4 9.3 9.1 8.9 8.1 7.7 7.3 7.9 7.4 7.2 7.6 7.6 7.8 7.9 7.7 8.1 8.0 7.9	7.8 7.9 8.0 8.4 8.4 9.1 9.7 10.0 10.1 10.0 9.4 7.6 8.0 8.4 8.3 8.5 9.3 8.7 8.8	7.1 7.6 7.5 7.4 7.6 8.0 8.5 9.0 8.6 8.2 7.7 7.4 6.9 7.5 7.7 7.6 7.5 7.4 7.5 7.4	7.4 7.8 7.7 7.8 8.0 8.6 9.1 9.4 9.2 9.0 8.7 8.1 7.4 7.7 8.0 7.9 8.0 8.0	7.8 8.3 8.5 8.6 8.1 8.9 8.8 8.2 8.0 8.4 8.7 9.0 9.0 8.6 8.7 7.7 8.3 8.9	7.0 7.1 7.4 7.4 7.4 7.4 7.2 7.2 7.5 7.8 7.8 7.8 7.6 7.8 7.9 7.7 6.4 6.4 8.3 8.5 8.3	7.3 7.7 7.8 7.9 7.8 8.2 8.2 7.5 7.7 8.0 8.3 8.2 8.1 8.2 8.1 7.2 7.7 8.7
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26	10.5 10.8 10.8 11.0 9.4 9.1 8.6 8.1 7.9 8.0 8.9 	### STANDER 1. 1. 1. 1. 1. 1. 1. 1	9.5 9.4 9.5 8.7 8.9 8.2 7.5 7.3 7.1 7.3 8.3 	11.1 11.4 11.4 10.9 9.9 9.4 9.2 8.0 8.5 8.6 7.5 7.8 8.0 8.2 8.3 8.2 8.3 8.4 8.4 8.8 9.0	7.9 7.6 7.1 7.0 6.6 6.3 6.2 6.0 6.6 7.1 7.0 7.5 7.5 7.7 7.4 7.9 7.6 7.5 7.7 7.4 7.9 7.6 8.3	9.4 9.3 9.1 8.9 8.1 7.7 7.3 7.0 6.9 7.4 7.7 7.6 7.6 7.8 7.9 7.7 8.1 8.0 7.8 8.1 8.3 8.3	7.8 7.9 8.0 8.4 8.4 9.1 9.7 10.0 10.0 10.1 10.0 9.4 7.6 8.0 8.4 8.3 8.5 9.3 8.7 8.8 8.0 8.5 9.1 9.1 9.3	7.1 7.6 7.5 7.4 7.6 8.0 8.5 9.0 8.6 8.2 7.7 7.4 6.9 7.5 7.7 7.6 7.5 7.4 7.5 7.7 7.7	7.4 7.8 7.7 7.8 8.0 8.6 9.1 9.2 9.0 8.7 8.1 7.7 8.0 7.9 8.0 8.0 8.0 8.4 8.4	7.8 8.3 8.5 8.6 8.1 8.9 8.8 8.2 8.0 8.4 8.7 9.0 8.6 8.7 7.7 8.9 8.7 8.9 8.7 8.9	7.0 7.1 7.4 7.4 7.4 7.4 7.5 7.8 7.7 7.4 7.2 7.2 7.5 7.8 7.8 7.6 7.8 7.9 7.7 6.4 8.3 8.5 8.3 8.5 8.3 8.5 8.3	7.3 7.7 7.8 7.9 7.8 8.2 8.2 7.5 7.7 8.0 8.3 8.1 8.2 8.3 8.1 7.7 8.7
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